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271

<210> 43582
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042016H1

<400> 43582

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ccggccactc ctctcgccgg cgagccctta ctcttccctc ctccgtcgag ccctctccga 120

ttcgaatcgt tcccagcctc gcaccaccat gaatcccgaa tacgattatt tgttcaagct 180

tttgctgatt ggagattctg gtgtaggcaa gtcattgtctt ctctgaggt ttgctgatga 240

ttcatacctt gacagctata tcagtaccat tgg 273

<210> 43583
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042019H1

<400> 43583

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gccgcgcctc cgtcggacct caaccgcctc caaattgctc agttacaccc aaacaccgat 120

tctgattcca ccgattacac cctgtgtctc tccgacgatt gcttggccgc aatctttcat 180

ttctgaaca ccgccgatcg gaaacgggtgc tctctggtat gcctccggtg gcgccttgct 240

gacggccaga ggccggaccg gctctccct 269

<210> 43584
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042023H1

<400> 43584

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ctctcgctct tcaatggccg tatectctat tcgaatcgcc gtcgtcggtg atgtgcatga 120
 ttgctggaac cttgaacaag attcgaaagc acttgagctc ttg 163

<210> 43585
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042029H1

<400> 43585

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 ctgcttctgg ctttccccac tgtatttgga gctgaccatg aagtgtgtga cactagtggg 180
 tgggccctcg gagttaatta caacacctgg gcctctggga aaactttcac agttggtgac 240
 actttggtgt tcaagtatga ctcca 265

<210> 43586
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042030H1

<400> 43586

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 gggtcacggc acaacctaca aaggtgttac cattcatcag ccaaagcgct ggcacactat 120
 caccggcaag ggtttgtgcg cggtcattgt gttttgggta ttctacaggg caaagcaaga 180
 tggtcctgtt gtattgggct ggagacatcc ttgggagggt caccatgatg atcatggcaa 240
 gggccattag cattccttag gcatgag 267

<210> 43587
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042060H1

<400> 43587

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 ttgatctgca tgcaggttct tggacaaggc ttgtatcaga gtggaacaag agggaaatca 180
 ggaaagcgcg tggagattat gcagtgttgc gcdagttgag caagtgaaga tattgctatc 240
 ggtcattccg atattctcgt 260

<210> 43588
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042074H1

<400> 43588

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 gcgtgaagga catgccggtt ctccaggatg gtccaccgcc gggcggggtt gctccggtcc 180
 ggttcgcccg gcgcattccg aacaagggcc ccagcgccgt tgccattctc ctcaccacct 240
 tcggcgcttt ctcttgggg 259

<210> 43589
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042076H1

<400> 43589

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 tacgcgcaga agaagaccaa gttcatctca gcgcattgatt ccagaatcgc ttgcttcgct 180
 ctcacgcttg atggacagtt aatcgccacc gccagcacca agggtagcgt gattcggatt 240
 ttcgacaccg atcacggc 258

<210> 43590
 <211> 262
 <212> DNA

<213> Glycine max

<223> Clone ID: 701042095H1

<400> 43590

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 gcttcagatc tggaaggaaa tatttacagc atgatgtggc attctgtaat tttggatggt 180
 cagttgtaag ctaactcatt ttttccccta tccttttcat ttataataat agcgaatata 240
 ataaaaaaaa attatttacc gg 262

<210> 43591

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042096H1

<400> 43591

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 tggctcttgcg agagaaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120
 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180
 cgatgatcac cctatgcaaa ttgaagaaac acagtaccgc aaaaccttct tctataaaga 240
 agaccttcat ccaggcaaaa caatg 265

<210> 43592

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701042103H1

<400> 43592

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 ggctaagggt cccggtctct actctgacat cggcaagaaa gccagggatc tgctgttcaa 120
 ggactaccac agtgaccaga agttcaccat caccacctac tcaccactg gagttgctat 180
 aacagcatca ggaaccagga aaagtgaact gtttgtggct gatgtcaaca ccagttgaa 240

gaacaaaaac atcactactg atatcaa

267

<210> 43593
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042108H1

<400> 43593

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tgtataattht gggcccagggt agtgatgagc atcttgacag gaagattcta gatcctgagt 120
gcttgagcaa ggttgaatca attttttagca atctttcaga aaccattcaa aaatatggcc 180
cttgggtcttc tgcattgggtta ggtgaagctg gcggggcatt caacagtgggt ggtcgttctg 240
tttctaacac atttgtaaht a 261

<210> 43594
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701042116H1

<400> 43594

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tcaaaaagggt ttaagttctt tggcgtggat tcatatcaag ttgcatttgg attttgactt 120
tgagactctg cttgggggtgc tacttacgaa tgttttcccg gaaaaacgta aatttcttct 180
aatgctttat gaaaagaata acgaacaagt tcaatgtata ccgcctttat aaaataataa 240
caagtttcat 250

<210> 43595
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042120H1

<400> 43595

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aagagaaaga gtgaaatcgg agtttgggaa ggaattgcaa tcaatggatg tgataaagac 120
gcagcaaatc tcatctcgac caatcgagaa ggtgggtggtt caccctctcg tgcttctcag 180
catctctgac aactacaaca gagtcgccaa agacactcgc aagcgcgtcg tcggcgtctt 240
gctcggctcc tccttcaaag gcaccg 266

<210> 43596
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042123H1

<400> 43596

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cttcaccgca tcaatggagt tggacggcgt tctcctcggc atgtgcaacc ctctcctcga 120
catctctgcc gtcgtcgacg acgctttctt gcaaaaatac ggtatcaagt tgaacgatgc 180
gattctcgct gaggataagc acaaacctat gtatgaagaa ttggctaaca atcctaattg 240
ggagtacatt gctggagggtg c 261

<210> 43597
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701042125H1

<400> 43597

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aagtggactt tctgttcctg caattatgat tcgtaatttg gctattcaac ttaggaaggt 120
gtgtaaccat cctgatctcc ttgagtcagc atttgatgat tcatatttgt atcctccttt 180
ggaagagata gttggacaat gtggaaaatt ccatttgctt gatcgattgc tgcaacgttt 240
atcttcaagg aatcacao 258

<210> 43598
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042128H1

<400> 43598

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ctccttttga ttccatcatc ttcgatttgg acgacacctt gtacccgtca agcaccggtg 120
ttgacaagtg cgtcaagaaa aacatccaac tctttctcat ccagaaatgc ggattctcag 180
aatccgaagc cttcacctc cgagttgatc tcttcaaac ctacggaagc acccttgccg 240
gtttaagagc actaggccat 260

<210> 43599

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701042129H1

<400> 43599

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atctgattca agtactgctt ctagctcaa agcgtgtcgg gagaagttga ggagggatag 120
gcttaatgac aagtttggtg aattgggctc catcttgag cccggaaggc ctcccaaac 180
agacaaggct tccattctga ttgatgctgc ccgaatggtg acacagctgc gggatgaagc 240
cctgaagttg aaagactca 259

<210> 43600

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042136H1

<400> 43600

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gaatacgggc agtgtggcga agaaccgag cgcaaggatg gactggtag acctttaagg 120
agagatatag agatccctca gcgctgtgct cctaagcttg ttgttcggca ggttgctgca 180
ggaggaactc actcagtggg acttacacga gaagggcatg tttggacatg gggtcagcca 240
tggccgcctg gtgacataaa ac 262

<210> 43601
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042139H1

<400> 43601

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 gggagctact ggaagcccat ttgtgtgcag ggttcatatt gccctcaagt tgaaggagg 120
 tgaatacaaa tatgtcgaag aaaatttgag gaacaagagt gaactgcttc tcaaatacaa 180
 ccagttcac aagaagggtc cagtgtttat tcacaatgag aagcccatag cagagtctct 240
 tgtgattgtt gaatacattg 260

<210> 43602
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042145H1

<400> 43602

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 caagcgatg tggatgatca cctactgtgt gaaatcgaag gtaaccacct cactcacgcc 120
 gctatcatcg gccaaagacgg aagcgtttgg gctcagagca ccaacttccc tcagttcaaa 180
 cctgaggaaa taactgccat caataatgac tttaatgagc ctggatcact tgctccaact 240
 ggattgtata tcggtggc 258

<210> 43603
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042182H1

<400> 43603

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 tcataagcgt gttgtaggcc aagaccctgc tgtaaggca attgctgagg ctatccaacg 120

ttcaagagca ggtctttcgg atcctcatcg tccaattgcc agcttcatgt ttatgggacc 180
 tacagggtgta ggaaagacag agctggctaa ggcacttgca gcctacttgt tcaacactga 240
 agaagctctt gtacggattg 260

<210> 43604
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042201H1
 <400> 43604

caaacttcaa cttgtaatca agggagagag aaaatttcaa gcacaaaaaa tggcggagaa 60
 gaaagtgggtg atcctaggag gtggtgttgc cggtgccaac cttgcaaaaa ctatacaaca 120
 tcaagccaac gtcaccctta ttgatccgaa ggaatatttt gagattccat gggcaagttt 180
 gaggggattg gttgagccaa cttttgctga aaggatagta atcaaccata gagagtactt 240
 caaaaagggt aaccttgttg tatccagtgc tgtcaacata actgaa 286

<210> 43605
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042204H1
 <400> 43605

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 cattcaaaac aatcatggct tctcttcatt ccattacatt ttcaacaaaa actgtccttt 120
 atgtatttgt attggcctct tccatcgag cctctgctgg caacttctac caggattttg 180
 acgtaacttg gggagatggg cgtgccaaga tactcaacaa cggcgatctt ctactcttt 240
 cccttgacaa agcctctggc tcggggtttc agtccaaaa 279

<210> 43606
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042227H1

<400> 43606

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 cggttgcact caatccctct ctgectacat ttatctcaaa ttgcgccccaaa ttcccttcca 180
 attggacttc cacctcaaca accctcattc tgatcaaatt ccttactttg aggttgatga 240
 ctctgtggct tataataatg agaaggaggg gatc 274

<210> 43607

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701042235H1

<400> 43607

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 aggctatata taaaaaaaaa aatattgcac gtcctccgg gtcctggca tttcaaattc 120
 aaggcctctt tccaatcttc aaagcagcta ctgcggcagc tccattttcc aattgaagtt 180
 agcagagcag ccatctgtgt gtgaagggga catgatggat gattcccaaa agcatagaat 240
 cctgatggtc tcagatTTTT tctatcccaa ctttggag 278

<210> 43608

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701042239H1

<400> 43608

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 ttattgctgc cactttcatg gagcaggggtg gcattccacc ttcaacgaac cctgcaactc 120
 ttcttaagga agcaatccat gttatcagct gtggttacga agacaagaca gaatggggca 180
 aagagattgg atggatctat ggctctgtga cagaagatat cttgactggg ttcaagatgc 240
 atgctcgtgg ttggatttcc atctattgca tgcca 275

<210> 43609

<211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042242H1

<400> 43609

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 attttctaataat aatggcgaaa gacgttgagc aggtcacaga gcaaggtgaa tactccgcga 120
 aggactacca tgaccctcct ccggcaccgt tgatcgaccc agatgagctc acaaagtggc 180
 ccttgtagag agccgccata gctgagttca tagcaaacct cctttttctt tacatcaccg 240
 tggtgaccat tattggctac aagagacaga gtg 273

<210> 43610
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042243H1

<400> 43610

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 acccttcccg gatcccaatc cctaattctt ctaccactct cactccaaaa atctctaatt 120
 ttttcatctg ggaagatcgg ttgacgaatc gaggatccga tcgcttgcca ggaactaggg 180
 tttcaatcga tcgcatcaca cacaaacaat catgttttagc cggatgttcg gtaaacctaa 240
 acaggaaacc aatgctgttg ccactttgga caa 273

<210> 43611
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042244H1

<400> 43611

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 aaaccctacc tagggtcaac cgtgacgcca caatcgcctt cggcatcttt gcaacgggat 120
 caggtgctcc tcgtccttca cgatggcggg aactgaagcc aaaaaaactg aatccaaaaa 180

acctgccgct aagcaatccg gtgcgaagaa gaaggaggtg aagaaggaaa ctggcttagg 240
tctcacgcat cggaaggcgg agaacttcgg aga 273

<210> 43612
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701042246H1

<400> 43612

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ggggaagata actcttggtg ctttcgatga ctcttttggg gttgcctctc ttaaggctta 120
tttggcagag ttccatgcaa ctctgatttt cgtgttcgct ggtgttggtt cagccatcgc 180
ttacaacgag cttacaaaag atgcagcctt ggatccaacg gggctgggtg cagtagctgt 240
ggcccatgca tttgcactgt ttgtaggtgt ctc 273

<210> 43613
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701042247H1

<400> 43613

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ttggacattg catttcagaa cagatgggat ccgacaatcc gagtttggct ggtgacagcc 120
agtatagtag atctattctg gaagaatttt ctccagtactt gttcaatgac tctcaacatg 180
caactacctc tgatgaacag cgtgtgatgt caagggtgaa ctcactttac tgccttctgc 240
agaaggatcc ttcttcagca gaagacataa acacaatg 278

<210> 43614
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701042250H1

<400> 43614

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 atcttaagct atgggaaagt cttacccaac cgtgagcgct gattaccaga aggccgttga 120
 gaaggcgaag aagaagctca gaggcctcat cgctgagaag agatgcgctc ctctaagct 180
 ccgtttggca tggcactctg ctggaactta cgacgtgagc tcgaagaccg gtggtcctt 240
 cggaaccata aagcaccct ccgaactcgc tcacgg 276

<210> 43615
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042253H1
 <400> 43615

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 attttaccaa ccttgacat ttcagcaa ttttatcatg ggctctgttg aatcgagata 120
 gctccatttc cctgcatagt ctagatttga ggcgtaaagg ctgtatagat catgaactcc 180
 tggacatgat catgggatat gctgtgtcac atgatgtcca gcagttggca attgaagtta 240
 atttaaatgc taaatttggg ttttaagttgc agc 273

<210> 43616
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042256H1
 <400> 43616

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 tggaagctca cacatttttt tctgcgtccg agaatcgcat ttttctagtt cctgcgcac 120
 caaacgagtc cttaatatcg aactttcctg aagatgggtg tgatagagca tgaagagagc 180
 aagcagagaa acgcgaaccc ctccaacgcc gccaacgacg attccgacgg cttcgaaacc 240
 gccagcgaca ccgatctggc cgggtgaaggc gacg 274

<210> 43617
 <211> 271
 <212> DNA

ggttaccacg tgcccagaaa taacgttgcc at

272

<210> 43620
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042276H1

<400> 43620

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cttcactctt ggtcttgca gagaaagcca tgccagagac gaagattttt ggcatgctgt 120
ttggccaaac actccattc caagttcatt gcgagatctt ctaaagcctg gccctgcaag 180
tgttgaaatc gatgatcacc ctatgcaaat tgaagaaaca cagtaccga aaaccttctt 240
ctataaagaa gaccttcac caggcaaaa 269

<210> 43621
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701042281H1

<400> 43621

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tcagatccct tgtatgaccg tgaatgggag gatgagaaga gacaaagagc tgatcagaag 120
cgaaggcacc gaaagtaaca aacccaaaagg ggatttcacc agtaaaacttt tttgaagggt 180
gttcattttta tgcacgtgct ataatgccaa ctttttgcgt gagttgaggt ggtgggttca 240
caacactttt aaccgtcagc cccctcattt ttctg 275

<210> 43622
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042285H1

<400> 43622

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gtcgtggaaa aacccttatg gcgaaacttt tcccggaaaa ccagccggaa gattctccga 120
 tggaagagtt ctaaccgact acattgctaa gtatttggga ctcaaatcac cagttcccta 180
 taaatttagg aaagtgatgc agcaacattt gaaatacggg atgaattttg catttggtgg 240
 tacgggagtg tttgacacat cctccaaaaa t 271

<210> 43623
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042295H1

<400> 43623

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 aagaagatgc cgatcagaaa catcgccgtc ggaaggcctg aagaggcgac tcaccccgac 120
 acgttgaagg cggctttggc tgagttcatc tcaaccttca tcttcgtgtt cgccggctca 180
 ggctccggca tcgcctacaa caagctcacc gacaacggcg ctgccacccc tgccggcctc 240
 atctccgect ccatcgccca tgcattcgcc ctctt 275

<210> 43624
 <211> 78
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701042332H1

<400> 43624

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 caatggagna anaagttc 78

<210> 43625
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042333H1

<400> 43625

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002220"CTFE550

tttgtgtttc gactctatatt tctccaaaca caacaacaac accagaggca gaggcagaga 120
gaaacagaga gagaaaggag taacaaatag ttgattatatt caaagacaat gaacaataaa 180
gatggaaaac cgcgcaccca accagacaag agcaggattg tccctatggc aatcatatatt 240
gtggtgctat gtgga 255

<210> 43626
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701042340H1

<400> 43626

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taactcttgg tactttcgat gactcttttg gtgttgccctc tcttaaggct tatttggcag 120
agttccatgc aactctgatt ttcgtgttcg ctggtgttgg ttcagccatc gcttacaacg 180
agcttacaaa agatgcagcc ttggatccaa cggggctggt ggcagtagct gtggcccatg 240
catttgca 248

<210> 43627
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701042344H1

<400> 43627

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tggggatttt catgcatata cacttttggg accaattggt gttgtgggac acataattcc 120
atggaatgcc cccagcctct cgtttttcat caagggttagc ccttccttag ctgcaggctg 180
caccatggtc ctcaaacctg ctgaacaaac acccctctct gccttgtttt atgctcatct 240
agctaagt 248

<210> 43628
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701042353H1

<400> 43628

gttgccccaa agacactatt aagtttggtg tgtgtgctga tgtgttaggt ttgatcaacg 60
 tgcaacttgg gaagccacca aagaccccat gctgcaacct cattgagggt ctgctgatc 120
 ttgaagctgc agtgtgcctc tgcactgctc tcaaagctaa tgtgttgggc atcaacctca 180
 atgttccagt gaacttgagc ttgtactca actactgtgg aaagggtgtt cccaagggtt 240
 tcgtctgc 248

<210> 43629

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701042357H1

<400> 43629

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 atcagaatca aaatcaacgg ttaattcttc ttcaaagcca ccaactttat catcctttgt 120
 tcttgcatgt gcatattctg ttgtgtgtat tgcaaaagcg gttcacgggg ttgaaaagga 180
 gaagcaaaag tttggtttct ggttcccggt ggattatagg gctaggttag agcctccaat 240
 ccctgata 248

<210> 43630

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042370H1

<400> 43630

gtcgctggt actacttcta cttctcccgc gacgtcccc tcgtcgtttt caaccaaacc 60
 ctcgacgaca gaaccgtgct ctgcgttttg ggattgctca ctgctgtttc gctcgctctc 120
 actcacgtcg gcctcaacgt cctgctctcg ttaatcgtct cgggtggttct cgttggcttg 180
 cacgtgcgt ttaggggttac cgaggatttg tttcttgacg aggaaagttc gttgctttcc 240
 gttgtgg 247

0953113.03200
002220"CTTCS60

<210> 43631
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701042385H1

<400> 43631

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cttttgggag ctactggaag cccatttgtg tgcaggggtc atattgccct caagttgaag 120
ggagttgaat acaaatatgt cgaagaaaat ttgaggaaca agagtgaact gcttctcaaa 180
tccaaccag ttcacaagaa gggtccagtg tttattcaca atgagaagcc catagcagag 240
tctcttg 247

<210> 43632
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701042392H1

<400> 43632

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ttctagtgc agttctgtta tgaggcagtt ttcagctccc cttcatctg ggccttcaaa 120
tgttagatta gtacagtcac ctaagataat gccaggttat ccggagcact gaagaagaat 180
gaatctaagt ggttggggaa attccgggtc cttgtgcaa cacctaact agcacggata 240
aaatta 246

<210> 43633
<211> 75
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701042508H1

<400> 43633

ctnnacacgg agggatcgga ggtctcaagg ntaannncag ggagtngagg gattacatac 60

<210> 43634
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042519H1

<400> 43634

actcaaactc gggatcacag aaaccaacaa cagttcttgc actgagggtt cacgatgttg 60
 ctggaacttg cacttggttt gtttgtgtta gctttgtttc tgcacttgcg tcccacacca 120
 agtgcaaaat caaaagcact tcgccacctc ccaaaccctc caagcccaaa gcctcgtctt 180
 cccttcattg gccaccttca cctcttaaaa gataaacttc tccactatgc actcatcgat 240
 ctctccaaaa agcatggccc cttattctc 269

<210> 43635
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042522H1

<400> 43635

ggccgaagtg cagagaaacc aagaactgtg gaagatgtaa tagatagagc taaaccatgg 60
 caactatctg aaattctgga tctgttccaa tgtcggtcag ttaccatgcc tgagagcaca 120
 gattcttcca gcaagggttg cagactttta tatacaaact ctgctgttgg tattttggcc 180
 cttggttcaa atggtatcca gaagctttgg aaatgggctc gcagtgaaca gaatcctact 240
 gggaaggcta ctgccaatgt tgttcca 267

<210> 43636
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042526H1

<400> 43636

ctacactata cttgtcaacc ctttgagagt tagaatggct gctgctattg aaatccccac 60

aatagtgttt ccaaactcct ctgcccaaca gaggatgccca gtggttggaa tgggatctgc 120
 ccctgacttc acatgcaaca aagacacaaa ggaggctatc attgaggccg tgaaacaggg 180
 ttacagacac ttcgacactg ctgctgctta tggctctgaa caggctctcg gtgaagctct 240
 caaggaagct atccatcttg gctcgtctc 270

<210> 43637
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042534H1

<400> 43637

cgggggttctt ccctccaagc ctaacggctt tacgatacac cttcattccc gaatcgccaa 60
 tttccacatt tgccctccc cataaacggg gccgtttcgt gtaccagaag agaattctgt 120
 acttcaccgc agtagcatag tccacacggg accacattct cccagccacc gccgcggtga 180
 gggtttccgcc gccgccgtg aagtttccgt gcttggtggc cttcttctgg tggccctggt 240
 agaacctttg cacggtggcg ttgccgagt 269

<210> 43638
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042539H1

<400> 43638

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 atctcacttg gggacacaat tggagttggt actcccggta atgaattagc tagatgtctt 120
 tctttttgaa aactttatgc tacacacaga acataataat atcagcctca tggcagcatt 180
 cccttgtttg gcatttgtct tcaaacactt ttactaaac atcagcctat tactcacctt 240
 tcctgtgctt tgtgttgatc gtgat 265

<210> 43639
 <211> 264
 <212> DNA
 <213> Glycine max

002220"CTTCTT560

<210> 43642
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042578H1

<400> 43642

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agaagatggt gaacaagttg tggacataag tggcaacccc attttcccag gtggcacata 120
ttacattatg ccatcaactt ggggcgctgc cgggtggtgga ttgaaactag gccggacagg 180
aaactcaaac tgcccagtta ctgttttgca agattactca gaaatcttcc gtggcacacc 240
agtcaaattc agcatacctg ggataagcc 269

<210> 43643
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042584H1

<400> 43643

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ttctaccatg gccgcaccgg acgcgtctgg aatgtcacca aacgtgctgt tggcgtcgaa 120
gtcaacaagc aggttggcaa cagaattata aggaagagga ttcatgtgcy ggtagagcat 180
gttatgcctt caagggtgcac tgaggagttc cgcctcagga agattaagaa tgatcagcta 240
aaggccgaag ccaagggtcaa ggggt 264

<210> 43644
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042607H1

<400> 43644

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tttcagggga gaaaaagggt aatctgtaaa ttgattttcc cattgctgaa gatgtacaga 120

ctacagagtt catgtcaagc tgattctgtc aaacctgcta tttaatgcag ttgacagatt 180
 cagttgttct gaatttcacg ctgtcacatt gtataaattt tacaaatatt tgtcacattt 240
 ggtgaaaacc caatgtgaac atttcttcag 270

<210> 43645
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042609H1
 <400> 43645

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 cttacgggat cgactagaca gttggaccgg aaaagttcac actgcattgt tgtccattga 120
 ggcagaaaca cctgatctaa ttggatcgtg atctttcttt aatttttttt ctgccctatg 180
 taacaatttc tcaagtcaaa gggaacacat cctaaggctt caaaagatga agagaaattc 240
 caagtgacat gggcaatgta gccaaacttg 269

<210> 43646
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042610H1
 <400> 43646

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 cacaaaatca tttcaciaag agaagagaca gtggatcgcg gtttcatttc agaccaaaga 120
 tgggtgcagtg gcagagacac gttttcccct ttcttcgcca cattcacaag cgagcagtgg 180
 aacccacgc caccattct gctccaagcc ttgtaatttc tcgcttagcc tcttctcttt 240
 cacaagggtca gttaggaagg agaacatg 268

<210> 43647
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042622H1

<400> 43647

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 ggtttttcctt gacactttgc ttgaattcgc tgaggatgag accatggaga tcaaaatcac 120
 caaggaccac atcaagggtc ttgttgtcga ctttttctcg gcaggaacag actccacagc 180
 ggtggcaaca gagtgggcat tggcagaact catcaacaat cctaagggtgt tggaaaaggc 240
 tcgtgaggag gtctacatgt tgtggga 267

<210> 43648

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701042631H1

<400> 43648

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 aacttttcat ttttgtttaa gcttttgata ctgcaatata tagcagttct atccatttct 120
 caggaatttg atttcttcta ctttgttcag cagtggccag gagcatactg tgacacaaag 180
 cagagctgct gttatcccaa gactgggaaa ccttcagcag atttcagcat tcatggactt 240
 tggcctaact acaatgatgg atcatggccc tc 272

<210> 43649

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701042650H1

<400> 43649

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 gatgtgtggc attcttcagc tttctgatga agtcttggct cacaacattt tgtcacgctt 120
 gacaccgagg gatgttgcac ccattgggtc tgtatgcagg aggatccgtc aattaacaaa 180
 gaacgagcat gtcaggaaga tggatatgtca aaatgcgtgg ggcaaagaag tgacgggcac 240
 attggaactg atgaccaaga agtt 264

<210> 43650

<211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042655H1

<400> 43650

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 attgagttct gatgttggtt ccttttctac caagtctaaa ggtgggtccaa cttcatctgc 120
 cactgctcca ccaaaagggtc ttggaatgaa gcttggtaaa tctcaaagga caaatcagtt 180
 tttggaatca ttgaaagcag aaggtgaggt cattcttgaa catgttcaac caaaacttgc 240
 tcaggcagct gccccacat cta 263

<210> 43651
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042658H1

<400> 43651

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 tgtcgttggg agcgaacaag ttccccgaga gacagccaat tgggacggcg gcgcagagcc 120
 aagacgacgg caaggactac caggagccgg cgccggcgcc gctggttgac ccgacggagt 180
 ttacgtcatg gtcgttttac agagcaggga tagcagagtt tgtggccact tttctgtttc 240
 tctacatcat gtcttaacc 259

<210> 43652
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042660H1

<400> 43652

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 gtgcttgaca cttttgtcat ttaaaatgga acttaatttt aagtaccaac ttagcctttt 120
 ctgtgtcaca ctgctcttac ctgccctgtg tacctctcaa gactctttta cgtgctccag 180

ttttggcacg aatcagacag aagcaaacac attgagagtt gttggaacat atggctatat 60
 gtcccctgaa tatgctatgg atgggaactt ctcaagtgaat tctgatgttt ttagctttgg 120
 agttctagtg ctggaaatta taactgggaa aaaaaataga ggattctatt actcaaata 180
 agatatgaat cttctaggga atgcatggag gcagtggaga gatggcagta cattggaact 240
 cattgattca tc 252

<210> 43656
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042719H1

<400> 43656

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 gataggatac tgctgtgaag aagaacacag ggttttagta tatgaatatt taccaagagg 120
 aagcttgag aatcaattat ttagaagatt ctcgcatca ctttcatggt caacgagaat 180
 gaaaattgct gttggagctg cgaagggttt agcatttctt catgaagctg agaagccagt 240
 catctataga gatttc 256

<210> 43657
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042725H1

<400> 43657

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 tcgcgttctc gtcactggag ctgcagggca aattgggtat gctcttgctc ctatgattgc 120
 taggggagtg atgttgggtc ctgaccagcc cgtgatcctc cacatgcttg acattcctcc 180
 ggcagcagag tcattgaatg ggggttaaaat ggaattggtg gatgctgcat tccctcttct 240
 taaaggtggt gttgcc 256

<210> 43658
 <211> 254
 <212> DNA

<213> Glycine max

<223> Clone ID: 701042735H1

<400> 43658

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 ttctgactta gctcgaagat tggattctac ccagatcctt gcaaatacat ttctggaaga 120
 cccagaggca ggtgctgtga agcaagaaag tgagtgtctt aaacaagaaa atgtgcgctt 180
 gatgaaggaa attgagcaat ttcagtctga tcgatgttca gatcttgaag aattggtata 240
 tctgcggtgg ataa 254

<210> 43659

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701042736H1

<400> 43659

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 tctgaaaaac ctgatttctt ctcttcttct cttctctttc gtttcgatct tcgatctctg 120
 aaaatgagag agtgcatttc aatccacatc ggtcaggccg gtattcaggt cggaacgcc 180
 tgctgggagc tctactgcct cgaacacggc attcagcctg atgggcagat gccaaagtgat 240
 aagacggttg gtgg 254

<210> 43660

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701042738H1

<400> 43660

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 tctacgaatc cgcttcgggc tacagcctgt tcgaggttca cggcgtcgat gaaatcggcc 120
 agaacaccga agcggttcgg aactccgttt cggaacctca caggttcggc aaagtcgtta 180
 agcttcgctc cttcaaccct ttcacttccg ctctcgatgc tctcaaacag tgcaacgccg 240

tctccgaagg catat

255

<210> 43661
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042743H1

<400> 43661

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tctccaaggg gaagaagggg ggcaagaaga aggcagctga tccctttgcc aagaaggatt 120

ggatgacat taaggctcct tctgtttttc aagtgaaaaa tgttggcaaa accctcgtct 180

ctcgtactca gggtagcaag attgcttctg aaggactcaa gcatagagtg tttgaggtct 240

ccttggtctga t 251

<210> 43662
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042745H1

<400> 43662

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accaaggagt ggaaattggc acttagcaaa aagaggtgga agactcatat cgtttaaggg 120

tcgtgcgagg ctggtacata caacgtgccg aatctctgtc cctgggacct taccaagaac 180

tgatgaaaag gcctcatcta acatctcgag ggataagaag acagttccag aagcagatcc 240

tccgagtatc 250

<210> 43663
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042747H1

<400> 43663

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tctctggaacg atactaatag cacatggaac agccaaccaa accctaattc ttctcttct 120
 tgtgaggagg atatatctgt ttctacatct ttcactaatg cttccaacca ttcaagcctc 180
 actgttgagt cctcacgcag actcattgag ccacctgctc cttcctccaa cgagttgatg 240
 ggagaac 247

<210> 43664
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042748H1

<400> 43664

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 ttattgtgtg aagttgctat gccttggttg gtttgtggtg cttgtgagta ctattgcagg 120
 ggtggagagt gctggtgaat gtgggaaatc taccacccca gataatgagg cttataagct 180
 tgcaccatgt gcctcagcag cacaagatga gaatgctagt gtttctcaga gttgctgtgc 240
 tcaggtga 248

<210> 43665
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042751H1

<400> 43665

gcaagaatgg cacttcggtg cttggtgatg tccctttctg ttctcttcac tcttggctctt 60
 gcgagagaaa gccatgccag agacgaagat ttttggcatg ctgtttggcc aaacactccc 120
 attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga aatcgatgat 180
 caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa agaagacctt 240
 catccaggca a 251

<210> 43666
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042753H1

<400> 43666

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agcgagatgg cgtcagtggg gaagaacgta ctcaaactcg tcagagaaaa gggtttcggc 120
gctttcctca gggagctcaa ggatgaaggc tacctgagat gccttcggga tggaaatctc 180
ttgcaaacca agatccacaa tattggggca acacttggtg gtgttgataa atttggtaac 240
aagtattatg ag 252

<210> 43667

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701042754H1

<400> 43667

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aggatttctg ccagctacat gaaaatggga agcaacttga ggtttttgag tctttgcctc 120
ttggcattga ttgcatcaac tcatgcccaa cttcagcttg gtttttatgc ccagagctgc 180
ccaaaagctg agaaaatcat tttgaaattt gttcatgagc atatccacaa tgctccatca 240
ctagcagctg c 251

<210> 43668

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701042756H1

<400> 43668

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atgccttatg gaatgccaca atttggaggc attgggcaac ctggaggcta ttaccctgca 120
ccttattatt gaattgaagt gagggaggaa cttgttttga gccaaactgt gttttttcat 180
ggctttcaag ctctccggaa gatcggactc tatttttctg tctttgcgtt tgggatataa 240
atgttcaaaa t 251

<210> 43669
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701042759H1

<400> 43669

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agaagatgag tgagaatttg atggagaaaag tgagcgcact gggagagcgc ctgaaaatcg 120
gaggcgtgga agtggggaga aagatgagcg aggggatgag ctccatgagt ttcaagctca 180
aggagttctt ccagcctggg cccaatcagg ccgacaagct tgtggaggac gctacttccg 240
aggccctg 248

<210> 43670
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701042761H1

<400> 43670

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gaaagtgggtg atcctaggag gtgggtgttg cggtgccaac cttgcaaaaa ctatacaaca 120
tcaagccaac gtcaccctta ttgatccgaa ggaatatttt gagattccat gggcaagttt 180
gaggggattg gttgagccaa cttttgctga aaggatagta atcaaccata gagagtactt 240
caaaaa 246

<210> 43671
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701042764H1

<400> 43671

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002220 "E" T 560

aaccaaggct gcacgtaagt ctgcaccaac aactgggtggt gtgaagaagc ctcatcgтта 180
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aatcagg 247

<210> 43672
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701042775H1

<400> 43672

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gtagaggctt tggaaggggt acagggggac ggatgggtgg tggacgtggt tttgggatgg 180
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ttcag 245

<210> 43673
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701042782H1

<400> 43673

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gatccgccgc atacgcctcc ctcaaaaact acgcagatgc attagcggat gccaaaaaga 180
cagttgaact caagccccgac tgggtccaagg gttacagccg tctcggtgcc gcgcatcttg 240
gcctttcc 248

<210> 43674
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<212> DNA
<213> Glycine max

<223> Clone ID: 701042787H1

002230-03200

<400> 43674

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gagcttcgac gatattgaga ttactgacat ttctctggct gattatatcg gagtggcgac 180
atccaagcac gccacgtatg tgcctcacac cgccggcagg tactcggatga agcgggtcag 240
gaaggcg 247

<210> 43675

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701042793H1

<400> 43675

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tacaccccaa gacagagaag gacaatagag atcaactaac tatcccaact tgccaatata 180
aactgtgaag agtttctata aatgcaggac ttctagcata ctgttggttg attaaccaag 240
tt 242

<210> 43676

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701042795H1

<400> 43676

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cctaacgcct tgaacgcttc ctccaatgtc ggcgttgaaa ttgatggctc gttgggggat 180
tctgacagtc tcaaagagtc tggctcaaag aaaaggggta ggtctgagtc atgtgctgct 240
t 241

<210> 43677

<211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042914H1

<400> 43677

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 gtggaagatg gtcattgatca ccattaccac caccaccaa aaaaacactg gcctccaacc 180
 acacaaaatg aaccttcaaa c 201

<210> 43678
 <211> 199
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042919H1

<400> 43678

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 gcctcttttt tcggattggt tgctgccatt gctgctattt atctgttgat tttggatcgt 180
 acaaactgga aaacaaata 199

<210> 43679
 <211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042935H1

<400> 43679

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 taaatgatgg gaaaat 196

<210> 43680

[illegible]

<400>	43680
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<210>	43681
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<212>	DNA
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<400> 43681

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<212>	DNA
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<400> 43682

<210> 43683

002220 "E" T T C C G G

<211> 197
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<213> Glycine max

<223> Clone ID: 701042944H1

<400> 43683

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tggtcaagct ttatcgcttc cttgttcgga gaactggcag caaattcaat gccgtttatac 180
tcaagagatt gttcatg 197

<210> 43684
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701042963H1

<400> 43684

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aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180
aatcgatgat cac 193

<210> 43685
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701042969H1

<400> 43685

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aagagaagtt ttg 193

<210> 43686

<211> 193
 <212> DNA
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<223> Clone ID: 701042970H1

<400> 43686

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 gttatagatt tgtagatcat aataccagtt gtcttatggt ggtgatcttt cttcagagca 180
 tagttgctaa aaa 193

<210> 43687
 <211> 194
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042972H1

<400> 43687

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 ggcaaact atgttccga caaacccctt cccatgaatg aggaactcct gtgggacaac 180
 ggcaactgcat ttcc 194

<210> 43688
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043002H1

<400> 43688

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 ctagaaagat agc 193

<210> 43689

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<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 701043007H1

<400> 43689

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cgtcaagttc attcgatgct ccaactgcgg caaatgctgt cctaaggaca aggctatcaa 120
gaggtttctg gtgaggaaca ttgttgaaca ggctgcagtc agagatgttc aggaggcttg 180
tgtctatgaa 190

<210> 43690
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 701043009H1

<400> 43690

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ggttacccaa tacaagaagg gtaaggatag cattgctgcc caaggaaaac gccgttatga 180
tcgcaaacaa 190

<210> 43691
<211> 187
<212> DNA
<213> Glycine max

<223> Clone ID: 701043010H1

<400> 43691

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aggttgtgca tgaaataaaa tctgctgtca aataggattc gtttgagcag aggccagtac 120
ttaataccta gtcagcttg gatcaagtta aaatgtattg agtttctttt gtaagttaaa 180
atcaatt 187

<210> 43692

002220"ETT5560

<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 701043014H1

<400> 43692

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aggctctggt atcatggaat gagatacttt gctactgtat caaatgatcc tgacacacat 180
gatgacttca 190

<210> 43693
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: 701043015H1

<400> 43693

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accatgggga tgcagcttgt ttccattggc accatagcct tgtgttttgt tgtttcctcg 180
gctatgcttg a 191

<210> 43694
<211> 189
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<223> Clone ID: 701043018H1

<400> 43694

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tcaaagttac attcattctg tgtaggcctt gagggctcac cagatttgaa ggctgcaaaa 180
gaagttgct 189

<210> 43695

<211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043019H1

<400> 43695

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 gtgttgaaa 189

<210> 43696
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043027H1

<400> 43696

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<210> 43697
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<223> Clone ID: 701043030H1

<400> 43697

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 ggtaaagc 188

<210> 43698

<211> 187
 <212> DNA
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 <223> Clone ID: 701043065H1

 <400> 43701

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 aacaacaact cctctttaac cgttggagct agaggccaa ttctgctgga ggattatcat 180
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<210> 43702
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 <212> DNA
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 <223> Clone ID: 701043066H1

 <400> 43702

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<210> 43703
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 <212> DNA
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 <223> Clone ID: 701043087H1

 <400> 43703

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<210> 43704

<211> 179
 <212> DNA
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 <223> Clone ID: 701043089H1

 <400> 43704

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<210> 43705
 <211> 183
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043095H1

 <400> 43705

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<210> 43706
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 <212> DNA
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 <223> Clone ID: 701043101H1

 <400> 43706

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 ctgtgtgatg cttagtgggtg aaaccgctgc tggagcctat ccagaccttg ctgttcaaac 180
 aatggctaaa atatgcattg aagcagagag cacccttgac tatgggtgatg tgttcaaaag 240
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<210> 43707

002220"ETTES60

<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043106H1

<400> 43707

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gta 243

<210> 43708
<211> 244
<212> DNA
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<223> Clone ID: 701043109H1

<400> 43708

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gatt 244

<210> 43709
<211> 246
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<223> Clone ID: 701043111H1

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aatagagtga agatcttcta ggattcttga gaagaggggt atacttaatc cttatgggct 180

gggccacagg cccaagtctt agcgacccag agaagttaag tgatttgaag ctgggcaagc 240
agtagg 246

<210> 43710
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043112H1

<400> 43710

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tccacaacct caaaagccta cataacaaaa gccaacaaag agatcacgag aggggttcaaa 180
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ttgatcc 247

<210> 43711
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701043113H1

<400> 43711

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ggtttatata attggaggag atggaactca gaagggtgca tctgcaattt ttgaggaagt 180
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cccgg 245

<210> 43712
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043144H1

<400> 43712

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 cagcaaacat gatcctcttg gttccttttg ttctcactgg ccatgcagga acacgttatg 180
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 c 241

<210> 43713
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043146H1
 <400> 43713

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 atcttctccg tcgctagtct caaccatgga atgaatcggt acgtcttcgt tgtctatcgc 180
 aatgccatcg ctgcattggc ccttgcctct tttgcattga ttttcgagag gaaaattagg 240

<210> 43714
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043149H1
 <400> 43714

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 acaccatcga taacgtgaaa gctaagattc aagacaagga agggatccca cctgaccagc 180
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 t 241

<210> 43715
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043212H1

<400> 43715

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gtcaaggctg gttttgcagg tgatgatgct cctagggcgc tgttccccag cattattggg 180
agaccacgcc atactggtgt aatgggtggg atgggtcaga aggatgctta cgtgggtga 239

<210> 43716

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043213H1

<400> 43716

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tgcacagata taaatatagt ggagtagatc attcctacgt ggccaaatat gtactacaa 239

<210> 43717

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043227H1

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agacaaaacc caccgagatc agcagcggca agatgttcgg aggctacaac aagaggttca 120
gacatttcag cctaccctc ggctgctcca tgaacttcca catctacttc cctccatctc 180
cttctccctc tcacaaattc ccagtcttgt actttctctc tggcctcaca tgcacggac 239

<210> 43718

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043230H1

<400> 43718

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ggaaatctac aacccctgat aatgaggctt ataagcttgc accatgtgcc tcagcagcac 180
aagatgagaa tgctagtgtt tctcagagtt gctgtgctca ggtgaagaaa attgggcag 239

<210> 43719

<211> 168

<212> DNA

<213> Glycine max

<223> Clone ID: 701043237H1

<400> 43719

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taactataga cattatgttt tattatcaat gatggatatt aatctttt 168

<210> 43720

<211> 167

<212> DNA

<213> Glycine max

<223> Clone ID: 701043239H1

<400> 43720

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agaggctgtg gaagaagggtg aagtaccagc tgggtggagta ccactccttg cccggttatt 120
tgagagacaa cgagtacatt ctcggtcact atcgatccga atggccc 167

<210> 43721

<211> 170

<212> DNA

<213> Glycine max

<223> Clone ID: 701043241H1

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 agcttgggtc tattatgaat atggaaacat agaagagatt ctcaaatttg aatctaacaat 120
 acccatacca gacatcaagg aagaccaagt gctcatcaag gttgtggctg 170

<210> 43722
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043243H1

<400> 43722

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 gtgccaccat tgttacattc tatgcattga ttcttgtcat gcttgtgttt atcctgtttg 180
 ttacatacag acattgggtcc aacaggacaa gacttcaacc agagagctac atatca 236

<210> 43723
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043244H1

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<223> Clone ID: 701043259H1

<400> 43724

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 cgatccttgc cgagggtccat tgggaacctt gaaatgcttg aggagttgga tatcagcaac 180
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<223> Clone ID: 701043260H1

<400> 43725

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 agaaaaaaaag agaaaagaag aggcgaaatgg cagatcagag cgagcattcg aaaacggcgt 180
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<223> Clone ID: 701043269H1

<400> 43726

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<223> Clone ID: 701043271H1

<400> 43727

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163

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<223> Clone ID: 701043280H1

<400> 43728

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<223> Clone ID: 701043282H1

<400> 43729

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<223> Clone ID: 701043283H1

<400> 43730

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 <223> Clone ID: 701043290H1

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 tggaactgga gggatcaaaa gtgtcaccaa ttatgccctt gtttatactg caatggctga 180
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<210> 43732
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 <223> Clone ID: 701043294H1

 <400> 43732

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 aaagtttaca tgacattaga agtgggtcaaa acccttatga acaagcaatt tctattatcg 180
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 <223> Clone ID: 701043296H1

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 ctttggcgtc gctcgcatct ttgcctcctt caatgatacc ttcattcatg tcaactgatct 180
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<223> Clone ID: 701043306H1

<400> 43734

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 aggcaattga agcactgaat gaagagaatg ttcgaataaa tcatcaattt cgaagtacat 180
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 <212> DNA
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<223> Clone ID: 701043320H1

<400> 43735

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 aagaaaacaa accccaaact gtctccatca ctctctcgcc accggcaaga aagtcatcat 180
 ctttgggggtt cccggtgcct tcactcctac ttgcagcttg aagcacgttc ctggcttcat 240
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<210> 43736
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043351H1

<400> 43736

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<223> Clone ID: 701043363H1

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 tctcaggagc tcattcattt ggcaagttcg ctgcttattc attcttgacc gattgtacaa 180
 tttcagtggt actggcagac cccatccaac tcttgacaca acttacttaa aacaattgcg 240
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<210> 43738
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 <212> DNA
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<223> Clone ID: 701043376H1

<400> 43738

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 tctcaaactc cccttaccta aatgtgtgac caaagaagca atgaggcttc acccaccaac 180
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<223> Clone ID: 701043392H1

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<211> 272
<212> DNA
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<223> Clone ID: 701043396H1

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cccgccgagg atatggactt cagacgacgg agggcgtgaa ggccatcgcg agcttcgagg 180
agatggggat caaggacgat ctgctccgcg gaatctacca gtacggcttc gagaagccct 240
cagccattca gcagcgggcc gtgactccga tc 272

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<211> 248
<212> DNA
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<223> Clone ID: 701043431H1

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ttcaattatg gcacatttcc cacttcccat tattacttca gggccttcac tttctccatt 180
ttgttctca aaaccctagc ttttgacca attcctctgt tttattatgc tggctttgga 240
aaagatct 248

<210> 43742
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701043462H1

<400> 43742

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tataggatat ggctttgtga gtctccttac tcatacatga gacttcctgg tgactcgggt 180

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tc 242

<210> 43743

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gccacaatct gacgcctatg tgaggatcaa cgttggattg gccctattcg tcgtttcgct 180

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<210> 43744

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701043491H1

<400> 43744

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ttgcgcctac tcagaagggg ttagcccaac aaatctggga tttgataagc gcagggttcc 180

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<223> Clone ID: 701043502H1

<400> 43745

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 caatccgtca atttactcaa acaggcatgt ttggattccg gttttttcta cgttgtcaat 180
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<210> 43746

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701043505H1

<400> 43746

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<210> 43747

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701043507H1

<400> 43747

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<210> 43748
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 <212> DNA
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<223> Clone ID: 701043520H1

<400> 43748

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 tgaatgccat tgcaaaggaa gcaatgaggc tgcaccctgt ggcaccaatg ttggtgccaa 240
 gactagccag aga 253

<210> 43749
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<223> Clone ID: 701043527H1

<400> 43749

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 tccaagatc aggatttacg atgttggtat gaagaagaag ggtgttgatg aatttccttt 180
 ctgtgtccat ctggttagtt gggagaagga aaacgtttct agtgaggccc tggaagctgc 240
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<223> Clone ID: 701043541H1

<400> 43750

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 ctctccctct ac 252

<210> 43751
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<223> Clone ID: 701043545H1

<400> 43751

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 gagtctctga g 251

<210> 43752
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<223> Clone ID: 701043549H1

<400> 43752

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<223> Clone ID: 701043550H1

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<210> 43754

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701043552H1

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<210> 43755

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 701043566H1

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<210> 43756

<211> 249
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 <223> Clone ID: 701043577H1
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<210> 43757
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 <213> Glycine max
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<210> 43758
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700966907H1
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 aatcatcgcc gattccatcc acgtcaacca cgaagatggc gtcctcaagg gacacggaac 180

cgccgacctc aacggcgaag tcgtcgccac cctctcgggc gtcgtcgagc gcgtcaacaa 240
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<210> 43759
<211> 263
<212> DNA
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<223> Clone ID: 700966908H1

<400> 43759

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<210> 43760
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700966909H1

<400> 43760

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ttatccttag tgaacaactt ggacctcacc accacactgg tcttcaactgc tctctacaac 240
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<210> 43761
<211> 262
<212> DNA
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<223> Clone ID: 700966913H1

<400> 43761

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 gcaaaacatt taaactcaat gtttttggat tactcagaaa gtgatctaga gtcacagat 180
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<210> 43762
 <211> 262
 <212> DNA
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<223> Clone ID: 700966924H1

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 actagaacgg tgtcagggac tacaaagatg gtttctgatg tttatgttgg tggagtcaca 240
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<210> 43763
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 <212> DNA
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<223> Clone ID: 700966928H1

<400> 43763

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 atcccttctt ttacaagaag agttgtcccc aggtgcattt cattgtattt agagtcgtag 180
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<210> 43764
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002220"ETT560

<213> Glycine max

<223> Clone ID: 700966931H1

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<210> 43765

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700966938H1

<400> 43765

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gtggttttgg cctggtacaa taaatcttcc atcggagttt tgctctgtat aggttcgatc 180
catcgttatt agcgtcttga tattgttatt ttcatttgtc atataggtct ttcatagatc 240
tgatgcatgg aggctcag 258

<210> 43766

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700966942H1

<400> 43766

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ttcggcgctc agagacagta tccaacggtg atagaagagt tgtgccatcg attttctctc 120
gcagatctaa ggaaatcaac caacaatttc gatcaaaaca cagtaattga tcgtggagga 180
tgtggtagag tatataaagg ttgtctccag cacaatgaac atgcttctga tacagtcgct 240

gtaaagcgat tgggaatg

258

<210> 43767
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700966944H1

<400> 43767

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ggctctctcat ctctttcact ttcgacaaaa acaacttcaa atgctgctcc tatgatgaat 180
ttattggatg gttttgcccc cagcccgcga acagaaaaca atggatcggg ttatccatca 240
gtaactgcat ttgagagc 258

<210> 43768
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700966945H1

<400> 43768

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ggggcgggtg gccgaactga tgttcctcct gccaacagga agtcagaggt tgaccctttg 120
aagcgggtgc catttgaaaa acctccattt agtctcagcc aaatcaagaa ggctattcca 180
cctcactggt tccagcgttc tgttttccgc tcattctcct atggtgttta cgacctcacc 240
atagccttct gcctctat 258

<210> 43769
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700966960H1

<400> 43769

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0053113.032200

ttgcttttga tgaggaaaac tcctccaccg tggctccggc aacactctac aaagctctga 120
caaaagatgc tgacactatc atcccaaaga ttattggggc catccaaact attgaaatcg 180
ttgaaggaaa tggaggaccc ggaaccgtca agaagataac agctagtga ggtgaccaa 240
ccagtttcgt gctgca 256

<210> 43770
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700966968H1

<400> 43770

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tacttgctca tcgagatgct acacagcgtg cctacatcca gcaagaatac aaagcaatgt 180
attctgagga actttccaag cgcttagctt cggagcttag tggaaagtta gagactgcag 240
ttctgctctg gttgca 256

<210> 43771
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700966969H1

<400> 43771

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acacaagaga cattgatgag gaaagaagaa ataaagtggg tgagaaaatt catcaatcag 180
caattaaaat aaccaaaca cgaggtgtca agctctctga tttccgtgtc atcaatcagg 240
atccaccagc catttc 256

<210> 43772
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700966974H1

<400> 43772

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ttttctgttg ggatcaatcg ctgctttcta cgtactcacc gtgccttaca ctaaggctga 180
agagagtttc aacgttcagg caatgcacga tattctctat caccggctga atttagacaa 240
tgtgctttgc ttg 253

<210> 43773

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700966976H1

<400> 43773

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aggagagaat ttagagaggg aaaggatgaa gatcacggcg ttgttggtgc ttaaattgcac 120
gggagagga tccgatccgg tgattctggc aaacgcttcc gatgtcagcc acttcggcta 180
cttcacgct tccagcgta aggaattcat cgttttcggt ggctgtacag tcgccagtcg 240
cactcctcag ggc 253

<210> 43774

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700966979H1

<400> 43774

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tcgtttctcg caaagttaa gtaatcatgg gtaaggaaaa gggtcacatc aacattgtcg 120
tcattggaca tgtcgactct gggaagtcaa ctaccactgg tcacttgatc tacaagcttg 180
gaggtattga caagcgtgtg attgagaggt tcgagaagga ggctgccgag atgaacaaga 240
gtcattcaa gtat 254

<210> 43775
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700966981H1

 <400> 43775

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 agtaatggaa agtggaggga actcccttcc atcagggcca gatgggtgta agagaaaggt 180
 ttcatatttc tatgatccag aggttggaaa ctattattat gggcagggac acccaatgaa 240
 acctcatagg attcgaatga 260

<210> 43776
 <211> 134
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700966987H1

 <400> 43776

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 tcgattcatc gcac 134

<210> 43777
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700966992H1

 <400> 43777

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 gcctgaatag ctcaaaactg aaagagcgca actacatggg gttatctgat tgttcattctg 180
 tggacagctc cgcgcggtcc ttctcagatg agactaagag caatctgaac ctcaaggcta 240

ctgagctcag act

253

<210> 43778
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700966993H1

<400> 43778

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gaaattccaa atgcaacaaa ggattcgctg acagctatat gctgttgaat cctgaagacg 120
ctcatttctt cgatcttggt catgtgctgt attcccgtaa cttgggaaac cgaaaatttg 180
tggacagcaa tgctgagggg tcttatgagg gaagcttccg ccaaagatgg cttatatattcg 240
tctctgtggt g 251

<210> 43779
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700966996H1

<400> 43779

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ctctgtaaac atgttggttt accaggacct ccttacaggt gatgagcttc tctctgactc 120
cttccgttac aaggaaattg agaattggaat gctgtgggaa gttgagggga agtgggttgt 180
taaaggagca gttgatgtag acattggtgc aaacccttct gctgaggggtg gaggagaaga 240
tgaggagatt gat 253

<210> 43780
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700967002H1

<400> 43780

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 aagttggcat aaagtgcttg caaagcaatg ctggtctctt tgtgtggatg gatttaaggc 240
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<210> 43781
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967003H1
 <400> 43781

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 actcttgag gcaagcgtac atctatgcac accacggaat atatgtcggg gatggaatgg 180
 tgatccactt taccagagga gcaggtcaag aaattggaac aggaactgtg ttggacaatc 240
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<210> 43782
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967006H1
 <400> 43782

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 tccgcttccc tccgatccat tcactccctc cctcttaaaa cctccttgcg gatcaaagtc 180
 tcccaaacag atgggaatgg aagtcctgca aagaggacag tgcttcatga tctttatgag 240
 aaagaagggc agagtccatg g 261

<210> 43783
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967010H1

<400> 43783

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aggaatattg tggacatgcc tggaaacggc gacgttccgt ttactcacgc gaatattagt 180
tcggcccgga gagaactcgg gtacaagccc accaccgatt tgcaaaccgg gttgaagaag 240
ttcgtcaagt ggtacctttc 260

<210> 43784

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700967021H1

<400> 43784

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aacaagccat accccaagtc acgtttctgc cgtggtgttc ctgatcccaa gatcaggatt 120
tatgatgttg gtatgaagaa gaaggggtgtt gatgagtttc ctttctgtgt ccatctggtt 180
agttgggaga aggaaaatgt ttcaagtgag gccctggaag ctgctcgcat tgcttgcaac 240
aagtacatgg ccaaattt 258

<210> 43785

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700967025H1

<400> 43785

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agcgaacaag ttcccggaga gacagccgat tgggacggcg gcgcagagcc aagacgacgg 120
caaggactac caggagccgg cgccggcgcc actggttgac ccgacggagt ttacgtcatg 180
gtccttttac agagcagggg tagcagagtt tgtggccact tttctgtttc tatacatcac 240
tgtcttaacc gtcatggg 258

<210> 43786
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967026H1

<400> 43786

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 gggagacaac atgattgaga ggtccacaaa ccttgactgg tacaaggggc caactctgct 120
 tgatgcactt gaccagatta gtgagcccaa gaggcctctt gacaagcccc ttaggcttcc 180
 ccttcaggat gtgtacaaga ttggaggtat tggaactgtg ccagtgggac gtgttgagac 240
 cggtgtcttg aagcctgg 258

<210> 43787
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967029H1

<400> 43787

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 gagggataat tgtctaacct ttgaagtaga ctgagccaaa ggttcctcct caagagggat 120
 aattgtgctt caaatccgtt gtgcccctcc atttgagttg attgatcagc cattggattc 180
 tcatcctcac tcacttgctc catttcagct acatcaacag aatctccagt cttttcagat 240
 gcttcatgtg tgattttctgg 260

<210> 43788
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967030H1

<400> 43788

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 gggggaattg gtcaaccctt ttctttgctg atgaagatga acccattggt ttcagttctt 120

catctttatg atgttgtcaa cacccttggt gtcactgctg atgttagcca catggacact 180
 ggtgctgtgg ttcgtggctt tctggggcag caacaacttg agagtgcact cactggcatg 240
 gacttggtaa tcatacctgc 260

<210> 43789
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967031H1
 <400> 43789

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 cgctgaggaa tattatgtga aggataagca aacagctgta gttgaaaaac ctgttgaggt 180
 caaagaagtt gaaaaccag aggaggctgc ttctgaggaa cccgttgctg agaaaactgt 240
 ggaagaaaca actcctgttg ccc 263

<210> 43790
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967036H1
 <400> 43790

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 ttcaactgga cttggagctg tctggaacac tgcaaaagtg gagtcagggt caattgttgc 180
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 atcccggtt attgg 255

<210> 43791
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967047H1

<400> 43791

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aaatggattg taaaggggtga acgtcaaaga cccctatat atctttctgt agatgaagg 180
ttagtactgt cagctctttt gactgctggt agaacctata attctgatct gctagtggca 240
tcatgggctg ttttgga 257

<210> 43792

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700967059H1

<400> 43792

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agaaaaaaga acgaggactg cccagaaaag agcgtttcaa aaacgcggca gagaagcagc 180
gtgcaacagc aggaacggtg tgcgctggtc gacatatcga acgattcacc gatcgcgggg 240
ctggcgaacg gga 253

<210> 43793

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700967061H1

<400> 43793

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tactttcaat cattgcttcc cttgcttcag ctgcagagaa tcattaccat gagtttggtta 120
tccaaactgt gccagtgaag aggctgtgca gaacccaaaa catactcaca gtaaattggc 180
agtttcctgg cccaacagtg gaagcaagaa atggagattc tcttgcaatc aaagtagtaa 240
atgctggacc atac 254

<210> 43794

<211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967073H1

<400> 43794

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 aatgaaagta caattcacca agcgtcccta tgcacaacct tatggtgtat atacatgggt 120
 aacggatatt aaagacacct ctaaagaagg atatagtttt gaagagatat gcatcaagaa 180
 agaagcgttt gagggagaag agaagttttg tgcaaaatcc ttgggaacag taattgggtt 240
 tgccatttc 249

<210> 43795
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967078H1

<400> 43795

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 cactaatgca aaaccatacc tcttaatgat tggcttgcaa tttggcatgg ctggaaatta 180
 catcttcggc aaggatgttc ttaaccatgg catgagtcgt tttgtgttca ttgtttaccg 240
 aaatgctatg gc 252

<210> 43796
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967083H1

<400> 43796

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atctggggag ctgtttatat tccttctgtc atcaccattc tcaattcagt tggaacacca 240
aggtccatt 249

<210> 43797
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700967084H1

<400> 43797

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gacccttgcc gtgctggttt tgagacctca gcaaccacct acattgccgg tgctgagatt 180
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gactcaa 247

<210> 43798
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700967089H1

<400> 43798

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agttagtctt actgctacaa caccagcagg gaattttgct actcctgttt ctatgaatgt 180
tcctgtgctt aacttgtcga gtccaccagc cattgcatca gtcattgctg gttcaaattc 240
tgttcag 247

<210> 43799
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701043676H1

<400> 43799

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 ggtgacgctc aacatgaaga tggtgaaatt gctgttggga atgatgagga atccaaagcc 180
 ccacagaact tggatgttac tggtaagag gcattacaag gtgacaaaac tggaaacttta 240
 gaagagaatc cggatc 256

<210> 43800
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043678H1

<400> 43800

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 tcatcacaag aagggtcatg tggcattcag aaccaactat gaggattcta tagctgaagt 180
 agaatccaac gttgaggctc gagaacataa cagcagggtta tggactcaca gtgcttataa 240
 aagcgtggac caagag 256

<210> 43801
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043679H1

<400> 43801

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 tctcaagcag gacttcccag gccctcacg cccctccatc aagggtggatc cctcatcaa 180
 gatgccactc cacagatcat catcctcgga gaaatcaaaa aagagggtgt ttcacactgc 240
 tgtcactg 248

<210> 43802
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 <212> DNA

<213> Glycine max

<223> Clone ID: 701043681H1

<400> 43802

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cattacattg acttttggcc cagagcaaag gcatccggag gaagaggcac ttcttccacc 180
accacagaat aaagaagcag ggaaatctca gctggattct gatgaagtga tactgagcga 240
gttggaagat gagaag 256

<210> 43803

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701043682H1

<400> 43803

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cccttcggag accataacaa agcctaagaa aaaggacgag aagcccagaa tcagggcgaa 180
cctagcaagc ccgcggtgat tctggtgcac ggcttcgcgg ccgaggggat cgtgacgtgg 240
cagttccaag ta 252

<210> 43804

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701043683H1

<400> 43804

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attaagaagc attctgagtt cattagctac ccaatttctc tttgggttga gaagactacc 180
gagaaggaga tttctcacga tgaggatgag gaagagaagc cggatgagga gggtaagggtg 240

gaggatgttg atgaggag

258

<210> 43805
<211> 256
<212> DNA
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<223> Clone ID: 701043684H1

<400> 43805

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acattggatc actctaactt tcacgacact gtcagcaagc acgatttcat cgtcgtcgag 180
ttctacgcc catggtgtgg tcaactgtaag aagcttgctc cggagtatga gacagctgct 240
tctatcttga gtagtc 256

<210> 43806
<211> 255
<212> DNA
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<223> Clone ID: 701043685H1

<400> 43806

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tatggatggg cagctaggga tacatctggt gttctctccc ctttttggtt ctctagaagg 180
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cttcacaagt tgaaa 255

<210> 43807
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<213> Glycine max

<223> Clone ID: 701043686H1

<400> 43807

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0022E0"ETFE560

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tatcttcctg gttgtagtgt attgcccttt ctgcatttg tttttcccca caatactaat 180
ggtttgaaca gcaattagac ttctatatga actgaagttg tttctctata agtatttgga 240
gtccatttat tatcaaa 257

<210> 43808
<211> 258
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<223> Clone ID: 701043687H1

<400> 43808

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atatggaatg gaggaagtgc tacttggatg tgatattggt gcccttggga tttctaacaa 180
gcattgggta ccatttctgg ctatggcaca aggttcgaac tcagccacac acaaccatca 240
ttggcatcaa tgctagt 258

<210> 43809
<211> 254
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<223> Clone ID: 701043688H1

<400> 43809

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aagttaaggt ttttggagct gaagacaaag aggacacacc gtttcatagt ttttaagatt 180
gaggagcagc agaagcaggt cattgtggag aagcttggtg agccagccca aggctatgaa 240
gatttcactg ccag 254

<210> 43810
<211> 256
<212> DNA
<213> Glycine max

<210> 43813
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043692H1

 <400> 43813

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 atatggacga actaagctta tcattgaaga aatttgctgt gatgtccacc gtgcagagcc 180
 agattggaaa ataatattgt taagatactt caaccagtc ggtgcacacc ctacgggttg 240
 tattggggag gatccc 256

<210> 43814
 <211> 234
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043693H1

 <400> 43814

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 ctctgcaaag gactaccatg atctctctcc agcaccgttg attgatgtg aggaactcac 180
 acagtgttcc ttctacaggg ctttgattgc tgagttcatt gccacaatgc tctc 234

<210> 43815
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 <213> Glycine max

 <223> Clone ID: 701043694H1

 <400> 43815

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 tcgccaccgc catacgcggc gccatcattc tcgcaaagct ctctgttatt cctgtgagga 180

acaaaatggg aacgcttttaa gctttatata cggtagcaaa cagttgaaaa caaagggggg 60
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 atcttcacaca tttg 254

<210> 43819
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043644H1

<400> 43819

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 ctcttcgcac acagccttcc tttctagggt ttcatccaat tatgaactgt gaagtgtgcc 180
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 acacgatcga ctttcaccgt g 261

<210> 43820
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043645H1

<400> 43820

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 aaagtataaa agttatcttg atgaatggga atctgaccca aggggtcaa at gcgtactgggt 180
 tgatagcagc tcgcctcgag ccttttgccg tggtatggat attaaagggg ttgttgctga 240
 aatacaaaaag gacaa 255

<210> 43821
 <211> 257
 <212> DNA

<213> Glycine max

<223> Clone ID: 701043646H1

<400> 43821

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ctcagatcaa atctgacggt ttccgaagcc tagctgaagg agagtccgtt gagttcgcta 180
ttgaatctga atctgacgga cgcgccaagg ctgttgatgt cactggcccc gacggcgcca 240
ggtccaggga accagac 257

<210> 43822

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701043648H1

<400> 43822

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cagtgagttg cactgctacc gacccaaacc ttaactacaa gccgggtgac ggactcctga 180
cccaccccg cgacgggtgcc tctggccggc tcagcaacgc caccgggggt tcttacatcg 240
ccgcctccta cgttaaattc 260

<210> 43823

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701043650H1

<400> 43823

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cttgctgcaa aggttctctc ttagcatggt aacaatgggt ttgaaagcac tttttgtttg 120
gtgcataata tggttggcgt ttgcacagtt gtcactagga ggaagagtga ggcattacaa 180
gtttcatgtg gagtacatga tcagacagcc agattgcttg gaacacgttg tgatgggaat 240

caacggccag tttccaggc

259

<210> 43824
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701043651H1

<400> 43824

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agcttgctct tccaactggg aatccaaata cttcatccaa gcaagttctc actcctccca 120

aagatgccac ctctaaatgg ctctggcaac ttggcaaagc acatgtttgc tccaatgatg 180

ctgggtgttca tacacttggt caccactggg tacgtataca tgcttgcatt gaaccgttga 240

taattgcaac tcatcggaac tt 262

<210> 43825
<211> 72
<212> DNA
<213> Glycine max

<223> Clone ID: 701043653H1

<400> 43825

cagcctaaga tcgcaacttg aagtttagcg aaatttggg cttattgttt ggtttcaaaa 60

aagaaaattt gg 72

<210> 43826
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701043654H1

<400> 43826

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ccaggaattc ggtccccacg atgctcaact cgacctttcc caaggaactc caagggttcta 180

cattatcaag cttgaaaaat gcccgttaa gttttctagt attacacatc atgcaatcgt 240

002220"ETT555

002250" E T F 50

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260

<210> 43827
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<212> DNA
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<223> Clone ID: 701043655H1

<400> 43827

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cattcgacca ccaaacgcaa gctcccatgc ccgaagctac atttccaaac gacactgcgc 120
actgatgtgt cccacctcgc tcctcttctt gatccgttcc tgttccgtct ccgttcacgc 180
tatctgatga ataggtggat gactatgaag aacctcatgc tagaggacac gggaatacca 240
cgctctgata ggatgtgaca 260

<210> 43828
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701043656H1

<400> 43828

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acgacagtac attaaccgcg aaactccaaa ataccctctc tctctctctc tctctcacca 120
accactatgt tgcagagacc tagacgccgt tgcgagggca ctgccatggg cgccatcggt 180
ctcgatctcc gtcccgggtct cggaatcgga cccttctccc tcgggatgcc tatatgtgaa 240
gcatttgctc agatagag 258

<210> 43829
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701043657H1

<400> 43829

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ggcctgggtg gaatggcagc gactcttgca ggagtttgtc aagtaccact tactgcagtt 120
 ttgcttctgt ttgaattgac acaggactat cggattgttc taccacttct tggagcagta 180
 ggcttgctgt catggatttc atctgtacag acaaaaagag gagatgatgg aggggcaaaa 240
 caaattgagt tag 253

<210> 43830
 <211> 255
 <212> DNA
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<223> Clone ID: 701043658H1

<400> 43830

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 gtccaatttt gctaggggaa gaaatcgaag tagtgaagac taaagacaaa tattgctatg 180
 ggtacaaacg gcaaggaggg aggatctggg gtaacatatt aagacatggg ggatgatgaa 240
 gctcaggaca ttaag 255

<210> 43831
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043659H1

<400> 43831

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 ggttctatgg cattctagct tccctcggtc tctggcagaa agaagccaaa attctcttcc 180
 ttgggtctga taatgcaggg aagaccacac ttcttcacat gctcaaagac gagagattag 240
 ttcagcacca gccga 255

<210> 43832
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 <212> DNA
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<223> Clone ID: 701043660H1

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acatgtggaa	tgtctctccc	ggtttcagac	cctccaagtc	tgcaccttct	tctccggcga	180
agctcttggg	atggttccca	gaacgcgttc	tgagaccttc	cacgtggctc	acaaggtccc	240
catcggtgac	actccttat					259

<210>	43833
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<212>	DNA
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<223> Clone ID: 701043661H1

<400> 43833

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gcctgaatag	ctcaaaaactg	aaagagcgca	actacatggg	gttatctgat	tgttcatctg	180
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ctgagctcag	actggg					256

<210>	43834
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<212>	DNA
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<223> Clone ID: 701043662H1

<400> 43834

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cactcctagg gagtcagggg atcatgctgc tgattttgag gatccctaca taaagaagct	180
tcatatgagg cttcaggcac ttgaggctga tagggaatca atgaggcagg caatcatttc	240
aatgcgcacg gataaa	256

<210> 43835
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043666H1

 <400> 43835

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 ataggcatgg agctttgttg gcaaaaatct atccatggct cttaaaagaa gcatggagga 120
 ttgtgtgaga gggttctcac ccttcacact ccacctccta aagtttgctt atgctttagc 180
 tattggcttc tctaataaat aaccacaaaa gggatgaca catggaggaa catagttctc 240
 tctatgagtg gcatgaagc 259

<210> 43836
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043669H1

 <400> 43836

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 ttctcccaa tgcttctcct cgctcctctc cctcaccctt aactccaaac ccatttccat 180
 ttccgccgtt ttctcaaaa caacgctgtc gtcgtcgtcg ccgttgctgc tgcgtctctg 240
 cttcgttccc catgtctctg 260

<210> 43837
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043670H1

 <400> 43837

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acggcgcggtg tgttcgcgga caaggcacgc gtatggtggt gctcgagac atccaagacg 180
 agcttgggaa tcaggtggct gcgtccattg gaaccacgcg gtgcacctac atccactgcg 240
 acgtggcaga cgaag 255

<210> 43838
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043671H1
 <400> 43838

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 tccaaacttg gttttcatcc accacgcttg caactcaaca aaaattcaca cccaataagg 180
 ctttttgttc gggctgctag aattgagtcc aaaggtgtta ccttgggttt caggacccca 240
 caatttcagc ttccggag 258

<210> 43839
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043672H1
 <400> 43839

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 cggaacgatg cgccaccacc aaggtcgtca aatctcagtg cagaacagag gaggtcgaaa 120
 ctggaaagtt cgtcagaaag tgcgagaaaa ccgaagagat tctcaggaat tgcacgga 180
 agcccgccga agtgttgcaa tcaaacaag agtatactga agaggatatc acagatgaag 240
 tacttaaagg aaggtct 257

<210> 43840
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043674H1

<400> 43840
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 cgtatggaca tgttgagaag ctagctagag agatagaaaa aggggctgct tctgtggagg 120
 gagtagaagc aaaactgtgg caggtaacctg aaacattgcc tgaagaagtc cttgctaagt 180
 tgggagtcac tccaaagagt gatgttccaa ttattactcc caatgagctt cctgaggctg 240
 atggcttttt gtttggt 257

<210> 43841
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043643H1

<400> 43841
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 ttgaggttca agagcaagga ggagagtact ctgcaaaaga ctaccatgac cctcctccag 120
 cacccttggt cgaccagag gagctcacac agtggctcctt ttatagagcc ctaatcgctg 180
 agttcatagc aacccttctc ttcctttatg tcaccgtgct caccattatt ggctacaaaa 240
 ggcagactga tgccacgct 259

<210> 43842
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043612H1

<400> 43842
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 gccatgacgc cgctgatcct gcatgctggg aaaaccaaca aaaattctta caagacactc 120
 attgcagccg agtatgctgg cgtccaagtt gattttgccc ctaattttga gatgggtgct 180
 tccaataaaa ctctgaatt tctcaagatc aatcctattg gcaagggtcc tgtgctggaa 240
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<210> 43843

<211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043613H1

<400> 43843

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 ccattctctc ggtaacgccg tgaaatccga aagcggcggtt acctataaca ataacaacaa 180
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 agataacagc aacaattacg gtt 263

<210> 43844
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043614H1

<400> 43844

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 tcatcatcaa taatggcgga gttgttgga aaggccaaaa actatgttgc ggagaaagtc 180
 accaacaatgc ccaagccaga ggcgagtgtc accgacgtgg acttcaagcg cgtgagccgc 240
 gacagcgtcg agtacttgg 259

<210> 43845
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043615H1

<400> 43845

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 agagagagaa ctgcaatgag aagatggacc aatttctaata aagatgtttc taccattctg 120
 gtcaatatga ttctcaggaa aactttgcag cactagacaa gaagctgaag gaacatgagg 180

gtgggagaac ttctaatacg ctgttttatac tttcaattcc tcctaataata ttcatagatg 240
ctgttaaatag tgcaa 255

<210> 43846
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701043617H1

<400> 43846

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aatggacgcc gagaagctgc gagataagat tgccgagaga acaaagaaga aggttgatat 120
catatcagct ccgccgaaa aagaagccgc cgttgcggaa aaaccgccgg agaagaaggc 180
agaagacaag aagcctgagg agaaaaaacc agaagaaaaa cctaaagaga gtacggtggt 240
tttgaagatc aaactacact gtgacggttg cattgcgaa 279

<210> 43847
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701043618H1

<400> 43847

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tggaagatgc gctgactcag tttacttccc ctgaagattt ggatggagag aatatgtaca 120
gatgtggaag gtgcacatca tatgttcgag ctagaaagca actgagcata catgaggctc 180
ctaacatctt gactatagtt ctgaagagat ttcaggaagg aagatatggg aaacttaaca 240
agtgcataac ttttcctgaa at 262

<210> 43848
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701043619H1

<400> 43848

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 ctacatgtcc atgttgacaa caaaataata aaatgagaat acgttttga catgaagaag 180
 agattcaaat tggttgcgct ttttaattaga ttttagcatg agaatgttgt gtagcactgt 240
 aatggtatat ttccatgagt atgt 264

<210> 43849
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043620H1

<400> 43849

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 ttttaagtcct catgggtaag gaaaagactc acatcaacat tgtcgtcatt ggacatgtcg 120
 actctgggaa gtcaactacc actggtcatt tgatctacaa gcttggaggt attgacaagc 180
 gtgtgattga gaggttcgag aaggaggctg ctgagatgaa caagaggcca ttcaagtatg 240
 cctgggtgct tgacaagctc aag 263

<210> 43850
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043622H1

<400> 43850

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 gtacttattg tgtgaagttg ctatgccttg ttgggtttgt ggtgcttgtg agtactattg 120
 caggggtgga gagtgctggt gaatgtggga aatctaccac cccagataat gaggcttata 180
 agcttgcacc atgtgcctca gcagcacaag atgagaatgc tagtgtttct cagagttgct 240
 gtgctcaggt gaagaaaatt 260

<210> 43851
 <211> 263
 <212> DNA

<213> Glycine max

<223> Clone ID: 701043623H1

<400> 43851

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 ccttcaccaa cttcaccttc tccacacacc ctttcatgcc cacttctttc tctgacctcc 120
 ttgcttctcc cttggacaac aacaagccac cacaggggtg tttgtctgag agaactggct 180
 ctgggtgttcc caaattcaag, tccacaccac caccttctct gcctctctct cccctccca 240
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<210> 43852

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701043624H1

<400> 43852

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 gtccttgaag aggacagtga tggatgcagt gactgctgtg cttggagggtg aattgcacat 120
 tgggtgtttt ctccagggaa aacaagttaa ggatgacagt aaaactctac ttcaaactgg 180
 aatttctcat cataacgagt tggatgcttt gggtttcacc ctggagccta attcttcaca 240
 aagcctaccg attgtatgtg 260

<210> 43853

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701043625H1

<400> 43853

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 gttgtttatg gaaaatcgaa attaaacct ccaattttat tgtattttca cgttgggttc 120
 tcgtactcat aaaatgtttg tttttacata tcgtaggcaa tgaatgcatg tatttgacaa 180
 ttgacgggat cattttacaa cactataagt tggcctgtat gtcgttaagt tgttgctgtt 240

0953113.032200

atctacatat tcatgtaatg aa

262

<210> 43854
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701043627H1

<400> 43854

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ctccctctgt ctctctaata ggttcactcg aggccccaac cgccgcggaa aacggttccg 120
ctcccgcgcg cggaacgga aaatccccct ccgtcaacgg cgcgaggcg gcgctggagc 180
ccgacgcacg gaagcggcgg agatcgtcgg tgctcccact ggaggtgggc acgcgcgtca 240
tgtgccggta gcaggac 257

<210> 43855
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701043628H1

<400> 43855

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tttcgcacca aacgccctgc acgtcccca cactcaccct cgggtgcactg agatccttat 120
agtccttgag ggtactctct atgttgatt tgtgacttcc aatcaagatg gaaatcgctt 180
cttcacaaaa gtctgaaca agggtgacgt gtttgtgttc ccaattggtc tcattcattt 240
ccaactcaat gtgggatatg g 261

<210> 43856
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701043629H1

<400> 43856

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ggcatacggc gtcgacatga aaccacccca ccaacacgtt ctccaactac gccggcgggcg 120
 caacggcgcc gtcgagagat tctccagcta ccgcgataag gccaacgtcg gagccgactc 180
 cttcacctcg tacgccaagt ccgccaacgc cgccgacatc ggattctcca actacggcaa 240
 gtccttcaac gaggaaccg aca 263

<210> 43857
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043630H1
 <400> 43857

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 cgggtgccagg tgcagctgct taagttttga ggggttggtga tggtcggagc tctaaatgtc 180
 atttgagtac atggatttga gattgttaca ctttttccta tttctgctag ggtagagta 240
 cttacaccta acatggc 257

<210> 43858
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043631H1
 <400> 43858

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 ccctaatacga gttcgattgc aaaacatctc agtttttgaa ttccaccttc tccgaccaat 120
 ggctgccaaa cctcttacta ccgaggcgat tgcgcttacg gaaaagaaga tggccatgac 180
 actagatgac ataataaaaa tgtctaacaa cccgaagatt aagaagcaaa gaagggttcc 240
 gaacaaaagt tccaaatttt ca 262

<210> 43859
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043632H1

<400> 43859

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 gggttttttcg ttgttttcgtg ttcgagtttt cgtgcatttg gcttgaactt gtgctgatct 120
 attctgtttc ttcgtcatgg caaccggaca actattctcg cgtactacac aggccttggt 180
 ttacaactac aagcacattc ccatccagcg gatgcttgat tttgacttcc tttgcggcag 240
 ggaaacacca tcagttgctg ga 262

<210> 43860

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701043633H1

<400> 43860

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 catcactatc ctctttcctc catatgggtc ctattctctc ccttcttgta ctctcatgtg 120
 tgatttggtc tagtagtgct cagggaccac cttcacctgg ctactacccc agttccaaaa 180
 ttagtcctgt tagtttttat caagggttta gaaacctatg gggacctcag catcagaggc 240
 tagaccaagg ctcatcgaca atctggcttg act 273

<210> 43861

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701043635H1

<400> 43861

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 attatttgcc cattcataga gaagctcccg cttttgttga gcaagaaacc gcacagcaga 120
 ttcttggttac tggaatcaag gttgttgacc tgcttgacc atatcaaaga ggaggaaaga 180
 ttgggttggt tggtggtgct ggtgtaggaa aaactgtgct tattatggaa cttattaaca 240
 atgttgcaaa agctcatggt gg 262

00531413.032200

<210> 43862
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701043636H1

<400> 43862

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tatctcagtc tcgccctaac cgataccttc actgctttcc aaaacctctt accggatgcg 120
atgacttcct tttcagcttg tggactaata gacctcttt gttctcaaaa ctcactccc 180
aagcattcca ccatcactgc aaccattgat tctcagtcac cgatttgcg cactagtaat 240
gttgggagcc cagtctcagc taa 263

<210> 43863
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701043637H1

<400> 43863

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aacgacctgc cccagctccg aatcgcttcc gccgccgccg ccgatgccgt cgtcaaaacc 120
gacgacctcc cctccgacga tgacgaccgc aacgccgtct cttccgtcat cactcaaacc 180
gagaccgaaa ctgacggagc caccatcgtc gacgtcgccg tcgccgtcgc cgtcaacgtc 240
aacgtcaacg tca 253

<210> 43864
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701043640H1

<400> 43864

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tacttttttg taggtactga ggaagaaaga ccaagacttt atccgtgtgc ttcacttagc 120

0953113.032200

tcaagagcgt acaattcagg caaaggcctt gaagtcggag tgtgttaagg tttcttagga 180
gttgctgctg tcttgactga agaaatggag gtatatggca aatctatggt tgcaggctct 240
gcaaattgtca tttttctgt 259

<210> 43865
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701043611H1

<400> 43865

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caaagtcctt gatgctcaga tcataactga gttccctcct attaggggtgg ggattgtctt 120
ttgtgggaga caatctcctg gagggcataa tgtcatttgg ggtatccaca atgctctcaa 180
aattcacaat cccaacagtg ttttgcttgg acttcttggg gggttcagaag gtctatttgc 240
ccagaaaact ctggagataa ct 262

<210> 43866
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043574H1

<400> 43866

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ctaattccatg gagactttgc accgtgacct aggtggagga attgaaaatc ttgatctgcg 120
tgtttccaat ttggggccacc aggatcattt ttgctgcagt ctatgccag atgtcaacat 180
tgtttatgga gcaaggaaca atgatgaaca catgcattgg ttccttctaa ctaccctct 240
caacttt 247

<210> 43867
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043575H1

<400> 43867

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 tatgttaaac taggaacaac ctcttaaaca taacatccta cgccaaacaa aactttgacc 120
 tccttcagat ctataccctt ctctctctct ctctctctct tctattttca tatttctaca 180
 tcatgggcac ggagggttcta cgccacaag attgtttcac ccaacgcac ggtgttccac 240

<210> 43868

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701043576H1

<400> 43868

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 attttcaaaa ttccaacttg taaattgtaa tcaattttct ttccatttgt caaaccatac 120
 caatcaacca acctcggtgc ttcttgatg cactctttga accaccctca tggatattga 180
 tgagtgggag tttctctctg atgatggcta ccttgatttc aatgaagagg gtgggaagca 240
 aaagcaaa 248

<210> 43869

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701043578H1

<400> 43869

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 agccgctatg cttttcaata atgttataca gatgttgatg caacttttagt taaaatgtag 120
 gtcaggtggt gaacattagt tatggtatag aaaactggaa tggaagaaca tatttttctt 180
 gattcaatag gatgatacgc cgaaaaatat acagcatgat attgggagca aaaaaggaca 240
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<210> 43870

<211> 239

<212> DNA

0053113.032200

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701043579H1

<400> 43870

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gtcagtcagc tcagaaaatc cggctctggcc catcagtttc tgctagagct tcttccattg 180

tggaaaaaga gattgtatctt cgttcaggcg gatgtggatt tgtccagaac ttcagtcac 239

<210> 43871

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701043580H1

<400> 43871

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ttcaagttcg aacagaggca cgggaaagag cgcgtagagag tggcgcgcggt gtggaagacg 120

aggcaggggc agcacttcgt tgtggagtgg cgcgtagggca tcaactctctt ctcagactgc 180

gtcaactcgt atctccgcga tgacaactct gacatcggtg ctactgatac catgaaaaac 240

acagtgtatg c 251

<210> 43872

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701043582H1

<400> 43872

ctaactcca tctaatagtg ttaatttgc tttctctatc tctatcggtc atgggtgctt 60

ttgcttttga tgaggaaaac tctccaccg tggctccggc aacactctac aaagctctga 120

caaaagatgc tgacactatc atcccaaaga ttattggggc catccaaact attgaaatcg 180

ttgaaggaaa tggaggaccc ggaaccgtca agaagataac agctagtga ggtgaccaa 240

cca 243

<210> 43873
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043583H1

<400> 43873

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 tccctaaacc aaactcgatt caccctctca ttttctgaat ttcaatggcc gatcactcag 180
 attcttctcc tctcgttctt ccccttcccc tcaccgaccc ttctgagatc gacctcgaag 240
 ctgg 244

<210> 43874
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043584H1

<400> 43874

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 caccgatcac ttggagctct tcaggcaaga gagttacttc gcttacttgt ctggagtcac 180
 agagcctgga ttctatgcag ctattgacgt tgcaactggg aattctatcc tatttgctcc 240
 taggt 245

<210> 43875
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043585H1

<400> 43875

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 aaggacgcta tataaatata tttgtcccg atgctctcta tttcagccac tcgtatatcc 120

002250"ETTES6

ttcctccgct caacaactat aagattatct tcttcttctt cttctcttca attcttctcc 180
aatcccaacc gcaccctctt cegtcctttt cttcacactt ccttcaaacc acttccctcg 240
tctttctc 248

<210> 43876
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043586H1

<400> 43876

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aaacaatccc tcttcccttg aattattttc atggcttata atccaccgcc gttctacttg 120
tttctctcat cctccttctc tcccaattcc ttccacatct tacttttccg tcacattcgc 180
attcaatcct gtaacacttt ctgacgctta gcaggtagga ccaaactcaa cagcgtagga 240
gccgtta 247

<210> 43877
<211> 91
<212> DNA
<213> Glycine max

<223> Clone ID: 701043587H1

<400> 43877

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tctacctcca ccttctccct aaagacccat c 91

<210> 43878
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043589H1

<400> 43878

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ttactatatt cttctctctg cgcttctttt caggcaattt ccatcttcca tgatccaagg 120

aagggtttcat ctatctttct tgcaaaataa acatttgttt gaatttccat tggtcagctc 180
 aaacctctgt tgttttttct cttttgtttg gtgggtaccc actgaacatg gcaactgaag 240
 ctg 243

<210> 43879
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043590H1

<400> 43879

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 acatcaaaac aactgggttg gtcctttgta tggcttcttc ctcagttggt agaagagcta 180
 catattcaac acaatctgta tcgacaaatg agccagttgt atctgtagat tggctttatg 240
 ataacct 247

<210> 43880
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043592H1

<400> 43880

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 tggggttccc atcctcaaag gcataaatct tgagatccca gaggggtgtga tcgtgggagt 180
 gataggcccc agtggttagcg gcaagtcaac gttcttgagg gcccttaacc gcctctggga 240
 gccacc 246

<210> 43881
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043593H1

<400> 43881

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gattcttgca caaatgtaag aattgaagat tgctatatag tttctgggga tgactgtgtg 120
gcggttaaga gtggatggga tgagtatggc ataaaatttg ggtggccac caaacagcta 180
gtgataagaa ggctaacatg catctacca tacagtgcaa ccattgcctt gggaagtgag 240
atgtcagg 248

<210> 43882

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701043594H1

<400> 43882

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ttttattcat agatacttat aaaaaggga gcaactgaga taaatttcct gaatctgttt 120
ctcattgaga agatggtggt aatgcagcat tttgttgaga tgggttcagg tgaaaagtct 180
gcaagatttt gttgtatgtc aaatgttatt tgtattatta taagaatata ttgggggtgt 240
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<210> 43883

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 701043596H1

<400> 43883

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ttggaagcac ccgagaggcc actcagccag actgcattca ggccctcatc gttgaattca 120
tagccacctt cctctttgtc tttgttggcg ttggttcttc catggtcggt gacaagcttg 180
gtggggatgc actagtggga ttgtttgctg tggccgtggc acatgcactt gtggtggctg 240
taatgatctc 250

<210> 43884
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043601H1

<400> 43884

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 ttgacgccgg aggacttacc cccgccgacg aaccttcctt caagcggacc aacttctccg 120
 gcgagaaaaac tacggccgaa gctgaggagg agcaagcctt cgatcccgag cctcacggcg 180
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<210> 43885
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043602H1

<400> 43885

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 tacaagcagc tgaatggatg aaattatgct taatgttagc cactattttc tttctggaac 180
 ttaccacaat cgtgagcttg catgagagtt gtaagaagaa cttgtggaat acagaggatg 240
 tgaagagggt cataagtatt t 261

<210> 43886
 <211> 263
 <212> DNA
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<223> Clone ID: 701043603H1

<400> 43886

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cggcgatacc ttttttgagg ttgttttcac tgggggtcgt acacaacctg gaactaccaa 240
gcctgatgag ggggaccgcc atc 263

<210> 43887
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701043606H1

<400> 43887

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gtacgacagc gccacgcgg acaaggccgc cactctgcgc accgaggagg agctgatgtc 180
catgtacgag cagtggctcg tgaagcacgg gaaggtgtac aacgcgctcg gcgagaagga 240
gaagcgttcc agatctt 257

<210> 43888
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701043607H1

<400> 43888

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tctctggatg gaaacttggt gtgggtgatg tgtttaggga gcctgattgc tcgaagcttc 120
tctgtgtgat gggtggagat ggggttcaaa ttcttggaat ggctgggtgtt actattgttt 180
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ttttatatct tctctggga 260

<210> 43889
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701043573H1

<400> 43889

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 aaaaacccta aaccttcgct ttgctgccac acacatcaga tccccactac aacttccaag 120
 ttcaggaatt atgtgtcact agcgatgtcc gattccgttc ccaaaacgcg aaaccgtccg 180
 gggccgtggc cgccgggctc ggacgccaag gcaatgccgc ctgcttctg ggctaagaaa 240
 acaggc 246

<210> 43890
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043608H1
 <400> 43890

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 ttggcaagat tcttcagata agaaaaatta cctaagaata aaggcagtaa actttggagc 180
 agccgctgag agtcttgaca ttgatttaag tgggttgagc tcaaatgtgc aacaatatgg 240
 ttctacaata acagtgtta cat 263

<210> 43891
 <211> 59
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043609H1
 <400> 43891

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<210> 43892
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043610H1
 <400> 43892

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cttgggagggc catcgaatcg attcggcgcg gaacaaggat gatgtggcgg aggcgctgtc 120
gaggcagtagc tgggaatata atgtgcttga ctatgaggag aaagtggtag atggttttca 180
tgatgtatat gggccctata atgattcagt aatgcaaggc aagatgccat ctggaacaga 240
tcttgaagca aaccctggag gtt 263

<210> 43893
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701043540H1

<400> 43893

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tgctgtgaat aagaagggcg ccgccaccaa gactaggaaa cccgccggaa aggggaaggc 180
agcgaaagat cctaacaagc caaagaggcc tccaagtgtt ttcttcgttt tcatggagga 240
attcaggaa 249

<210> 43894
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701043542H1

<400> 43894

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acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagttttacgt 180
catggtcggt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240
tcactgtctt a 251

<210> 43895
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701043543H1

<400> 43895

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gagcagagag gatccacaaa tttgtctgga catagtgggt tctgatttac aattgcctat 120
ttgttcgttc ttgccagctc aaatactact gtactaatta ctaggaagat tatagacaaa 180
aagcatcaaa ttgtttgtga ttgtaatttg caattttaac tagaaaaagt atttagatct 240
agattgtg 248

<210> 43896

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701043544H1

<400> 43896

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gaagaagaaa tgtgagaagg atctgggttt acacctgacc tgactgttct ggcagtggag 180
tgcaacagct actatctaata ctaatgggggt ccgagcaaaa tcgatttcct ctgcacgaaa 240
ggcgaaagag at 252

<210> 43897

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701043546H1

<400> 43897

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aattaattcc atttagcttt ccccaaattcc caaacctttt ttcgcttaga tcccaatcca 180
attgggttat ggacatgggt tccagtcccc gcaccgtaga agagatcttc aaggattaca 240
gcgccagaag aa 252

0953113.032200

<210> 43898
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701043547H1

<400> 43898

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agcgaaacat gcaactctgg actatacaaa atagtgaaca taggctttct ggcaaaattt 180
ggcgggtgggc gggaaccaga aataaaccta gcaggacact gcgaccctgc atcaaacggc 240
tgcaaaaagtt t 251

<210> 43899
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701043548H1

<400> 43899

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gcaggttgca agacgacaga ttaaaagtgt gtttgtcaca agctatTTTT ctgtcaataa 180
gtttggagat cgtgcaggga ataggctttt ggggtgcccaa gagagatttc agtctagcta 240
ccttagtagc at 252

<210> 43900
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043551H1

<400> 43900

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catgactaag gatctaaaga ggattcttag tgagaatttc catgatgatg atgaaggagc 120

0953113.032200

agagcctcag actgtattat ataagaacct gtggcttgag gctgaagctg cactttgttc 180
cgtctattac aaggctcgct ataatcaaat aaagattgaa atggataaac attcatacca 240
g 241

<210> 43901
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701043553H1

<400> 43901

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tggtcaaatac aattgcaata agtgtcatgg ggagttggag acagttgaag ctaatgttga 180
ttttggttga ctttgtctga gaaaccaaag aaaatgataa tcaagggact aattgtgagg 240
acctttcat 249

<210> 43902
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701043554H1

<400> 43902

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ctgtgtctga tcaatctaataa tttgccaggt tcttgactga aagtgggact ttttaaggatg 180
gggatctgct tgtcaacagg gatggagttc gaattgtctc tcagaatgat gtcgaagctc 240
cacctcca 248

<210> 43903
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701043555H1

<400> 43903

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 gggccgacga agcggacgaa gaaaccaacg cctccaccgc cgaggcagaa acctcctccg 180
 ttaacctgga agcgttaacc atcgacgaca aagaaaagaa ctcttcaaaa ctcttggacg 240
 accccgacg 249

<210> 43904

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 701043556H1

<400> 43904

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 cagagtacat atggatcggg ggatcaggaa tggacctgag gagcaaagca aggactctcc 180
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<210> 43905

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701043557H1

<400> 43905

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 aaacttcaca ctttcgagga ggtggcaaag cacgaccaga ccaaggattg ctggctcatc 180
 atttctggca aggtgtatga tgtcaccctt ttcattggagg atcatcccg aggtgatgag 240
 gttttgt 247

<210> 43906

<211> 246

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<212> DNA
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<223> Clone ID: 701043558H1

<400> 43906

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tagggcagaa aacccctttt cggatcgggtg gagcgaacct cgccggcgag acccccgagg 120
ctgttcaatc ggcgatcgag caacggcgaa aagcgacgaa gatgaagggtt ttcgtgaaga 180
ctctcaaggg cacgcacttc gaaattgaag tgaacccttc ggacacgctt tctgaagtga 240
agaaaa 246

<210> 43907
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701043559H1

<400> 43907

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cagtttcaca tgctaaagcg cgccatgcgt ttggttatat cgtcactcgg cccggctgac 120
cggctcgccg tcgtggcttc ctcggttaat accaaacggt tgttacctct gaggagaatg 180
acggctcagg gacaacgcgc ggcgcgggcg gtcgtggatc ggctcgtgtg tgaccatgga 240
aacagcgt 248

<210> 43908
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701043560H1

<400> 43908

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ctcccttccc ctatgttttt tcttctctt ggcttcaac aaaaaacccc tcttagcagc 120
agaaccagag ccagtgggtg ataagcaagg gaaccctttg gagccaggag tagggtacta 180
cgtgtggcca ctttgggctg atgaaggagg cctcacacta ggccaaacaa ggaacaagac 240

atgccctctt t

251

<210> 43909
<211> 209
<212> DNA
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<223> Clone ID: 701043562H1

<400> 43909

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cccccaadaa atgcaatcat tccccccat cccactctc gcatgccttt accttacttt 180
ctttacgtca ctactattcc tactacctt 209

<210> 43910
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043563H1

<400> 43910

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aattaaactt cacatcttat gatctcccca aggcaagacc ctctgttgcc ccacacccac 120
ttctctacca tggtcaagct cctcaacaag aactcgcgcc gcctcctcgg ccgtctccgg 180
tgccaattc gccgcgctc aaagcccaaa gtagtagtga tcaacaagct cggaagaac 240
gcc 243

<210> 43911
<211> 186
<212> DNA
<213> Glycine max

<223> Clone ID: 701043564H1

<400> 43911

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cttcctatgc atcaatatga aaaaagtaat ttgtatctaa aaaaaaaaaa aaaaaaagaa 180
aagaaa 186

<210> 43912
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701043565H1

<400> 43912

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cattagaaat gctgttctac aacgggtgcg catggtgaac cccctgttac agccaattgt 120
ctcttcgcgg tttgaatctg ttacacctgc tcgcattgag gagcatggtt ttgagagcac 180
cacaatttca gacatcttga atgataaagg caagggtgct gatggctcct ggctttggtg 240
caccacaga 249

<210> 43913
<211> 243
<212> DNA
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<223> Clone ID: 701043567H1

<400> 43913

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ctcaccattc aaatataatg tcaataaact cactgactcc agtcaatggg gctgctgttc 180
aagctggcca tgcagcaacg aactcgggtc tacacagaaa cttggatttt aattattgtg 240
atc 243

<210> 43914
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043568H1

<400> 43914

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tgaatggcat tgggaaactc aaatcgtcga gttctgaatt ggaccttcac attgaagatt 180
acctaccttc tggatccagt gttcaacaag aacggcatgg caagctccga ctgtgtgatt 240
tgctaga 247

<210> 43915
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043569H1

<400> 43915

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aattccaatt ctaataacaa taataacaat aagaagaaga acaagaagaa gaagaacagg 180
gggtgggagca agaagaagat gacccacgaa caggtcttgg ccttcaagtt agtgagtgg 240
tgggttt 247

<210> 43916
<211> 248
<212> DNA
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<223> Clone ID: 701043538H1

<400> 43916

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agcaaccttc tattgtccgt ttgacaaggt ctactgccc agataaggct cgtcgcttgg 180
gtttcaaggc taagcagggt tacgtgattt accgtgttcg cgtacgaagg ggtggccgta 240
agagacca 248

<210> 43917
<211> 246

<212> DNA
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<223> Clone ID: 701043571H1

<400> 43917

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 cttgaggaac atcaatgagc ctactaactt ctcattcttt tcacctttgg ctttaccaat 180
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 taggct 246

<210> 43918
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043572H1

<400> 43918

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 cagtaattca acctttgatt gagcaagatg ctaaaacatt acaactgttg cttccagaga 180
 taccacttg gattaataaac ccagactatg accgtcttga ctggcttaat aaatttatcg 240
 agtata 246

<210> 43919
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043508H1

<400> 43919

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 cagccaatgc cctctcaag caggacttcc cggggccctc acgcccttcc atcaaggtgg 180
 atcctctcat caagatgcc aatcatcatc ctcggaggaa tcgaagaaga 240

ggttgttggt c

251

<210> 43920
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043509H1

<400> 43920

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 acaggggcat atttgctact gaagagatgt ctctgcttc caaatctaag tccaaagaca 180
 aaaaggccgt caaggaagct caaaagtctt ctgccaaagtc ttcaggatct ggtaatgctg 240
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<210> 43921
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 <213> Glycine max

<223> Clone ID: 701043510H1

<400> 43921

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 ttttttgta 249

<210> 43922
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<223> Clone ID: 701043511H1

<400> 43922

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gcctcttcgc ggtttgaatc tgttacgcct gctcgattg aggagcatgg ttttcagagc 180
accacaattt cagacatctt gaatgataaa ggcaagggtg ctgatggctc ctggcttttg 240
tgcaccacag atg 253

<210> 43923
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701043512H1

<400> 43923

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aaccaaggaa gagctcattg agagcttcaa aaattcagga gtaaacttaa ttcagggaga 180
tatgaatgat catgagagtc tggttaatgc aatcaagcaa gttgatgtcg taatctgcgc 240
atttggtaga ctacta 256

<210> 43924
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701043513H1

<400> 43924

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gtcttctact tcaattcacg gacaagcgt ttcagcccggt ccatgacttg accatcggtg 180
ttgaatttgg tgccaggatg atcacaattg ataacaagcc aatcaagttg caaatatggg 240
atacggtctg tcaa 254

<210> 43925
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701043514H1

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gaagacacaa tggagattgt tcgtgaagaa atgaaactac tggcagaagt ggaccagccg 180
ggaagtctta ttgacaacta cgtgaccag ttgagtttcg tgctttctcg caaagcagct 240
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<210> 43926

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701043515H1

<400> 43926

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ttcttctgct accttcaaaa catcacaaga agcaacatcc ccctatacga gttaggtgag 180
ctcagttcaa cacatcgtgt gaaaatcaca taaagggaga aaattactat tttgtaattt 240
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<210> 43927

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701043516H1

<400> 43927

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aatggtagtt ctaatgataa agtatgtttt tctcctaaat aggaagcagc taaggttcag 180
gcaaaggatc acaaggtaaa tgaatgtacc aaaactaact cttttgagga gaaaagccat 240
gagaagatgg tggtttga 258

<210> 43928
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043517H1

<400> 43928

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<210> 43929
 <211> 248
 <212> DNA
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<223> Clone ID: 701043519H1

<400> 43929

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<210> 43930
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043521H1

<400> 43930

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gaagcgttgt gacagtcttg ctcatgtggc ttccagctta cagcattcat agccgagtcc 240
ccaagtagat gg 252

<210> 43931
<211> 251
<212> DNA
<213> Glycine max
<223> Clone ID: 701043522H1
<400> 43931

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gaagggagta caaggtgaag gacatgacgc aagccgattt cggaagattg gaaatcgagc 120
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tcgagaccct c 251

<210> 43932
<211> 251
<212> DNA
<213> Glycine max
<223> Clone ID: 701043523H1
<400> 43932

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cttcaggatg agaacaaccc tgactttgtg gtcgaagttg tctctctctt ctttgaagat 180
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tctcgttttc c 251

<210> 43933
<211> 250
<212> DNA
<213> Glycine max
<223> Clone ID: 701043524H1

<400> 43933

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 cctccataat tcaaagagc ttcgacaatg gtgggtgggg tgctattcta gctaacttgt 180
 acgctaggaa ggcggacatc atcttaagag gatactctgg ttggaattca aggcgggctt 240
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<210> 43934

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701043525H1

<400> 43934

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 gcagcagatg gctgaggagg gtcacagggt tactctaaat gtttatgact tgagccaagg 180
 tcttgcacgg cagctttcaa tgtccttttt ggggaaagct attgaaggca tatggcacac 240
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<210> 43935

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701043526H1

<400> 43935

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 cctgcaccac caaaagctc accgactcca acaaaaagct cttctccaac tgcttgacc 180
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 accagtgaca gttccaccgc ttgtgcttcc accaatagtg aagcccccg gttttctccc 180
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<223> Clone ID: 701043530H1

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 gtccatgaca ggagtttctt cttcagggt attcctgact ttccattttg gggattcaag 180
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<210> 43938
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 <212> DNA
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<223> Clone ID: 701043532H1

<400> 43938

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 ttggtgtgaa gcgtggccgc aacctcgccg cgcaggaact atggtctgag cttgacctt 180

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 <223> Clone ID: 701043534H1
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<210> 43941
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 <212> DNA
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 <223> Clone ID: 701043535H1
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<223> Clone ID: 701043536H1

<400> 43942

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 tcga 244

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<223> Clone ID: 701043537H1

<400> 43943

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 ctacaaagag gatgtcttca ctcatgtcaa ggaaaacgat atggtccttc tgtacgaaac 180
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<210> 43944
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 <212> DNA
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<223> Clone ID: 701043506H1

<223> Clone ID: 701043469H1

<400> 43947

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 gttgaatgcc cgggggatag acctcaacac taatgcatgg cccaatggaa aaagatcaca 180
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<210> 43948

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<212> DNA

<213> Glycine max

<223> Clone ID: 701043470H1

<400> 43948

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 ctatgatgcc aggggagtga tgctgggtcc tgatcagtc gtgatcctcc acatgcttga 180
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<210> 43949

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701043471H1

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 gactaataga attggtttga agaagagaga tctagatctt gatagtatca gagcagctag 180
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<210> 43950

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701043472H1

<400> 43950

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aactttactg aacgcgttgg agtatttcaa aacgcacctc aagtagaga agaaccctaa 180
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<210> 43951

<211> 246

<212> DNA

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<223> Clone ID: 701043473H1

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ttcatccatg ttactgcttg gtttgaatct aaatcgtaat gcacttgctc cagaggaagc 180
agaggagata aatgacgaat atgatattaa tattatttca gataattcag ccattagaaa 240
taaaac 246

<210> 43952

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<212> DNA

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<223> Clone ID: 701043474H1

<400> 43952

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catcggtcgc tcttaaccgc ctctttcttc atttatgaag caacatcttc taggaaaagt 180
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<210> 43953

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 <223> Clone ID: 701043475H1

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 tttcagactt gagacaaatt ctgaaatagc ttgatctggt tcaactctta tttctttgtt 180
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<210> 43954
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 <223> Clone ID: 701043476H1

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<210> 43959
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cgacgttgac ctttcgctca gtccacgtgt caatgccgtc aagccttcca aaaccgt 237

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<223> Clone ID: 701043484H1

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tcctgaattg ttgtgattca ggagtgggtg ggtgtggatt acgaaattaa gaaccatgcc 180

gtgaagattt ctcagcttgg tagtgggttt aaagctctta ttccagattt atacaga 237

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 gatccttcgg gatacaaata ctaaaaagcc agaagtaatc ctagatggga aagaaggaat 180
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<210> 43965
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gcacttcttt gtcttctttg aagttcatct atccacacat acatatccct ttagccttta 180
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<212> DNA
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<223> Clone ID: 701043443H1

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 tgagaaagag gaaattaatt agggaagaaa tgtcatcacg atcaaagtta gtgccctata 180
 aatactaacc aaagcattgc tctgcaccac aagccattgc tagtttagtt ccatacatag 240
 ca 242

<210> 43985
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 <212> DNA
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<223> Clone ID: 701043452H1

<400> 43985

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 ctaaagataa gtgagagtga gagacatgta taggttcagc aacacagtaa tcgggttctt 180
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 g 241

<210> 43986
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 <212> DNA
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<223> Clone ID: 701043453H1

<400> 43986

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 gttgaagtgg gcccatggct gaggctgagg tgacttgcaa cccaacacag ttgactcctt 180
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<210> 43987
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043455H1

<400> 43987

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 tctcaggagt cattcatttg gcagagttcg ctgcttattc attcttgacc gattgtacaa 180

002220"ETFE560

tttcagtggc actggcagac ccgatccaac tcttgacaca acttacttaa aacaattgcg 240
cc 242

<210> 43988
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043456H1

<400> 43988

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tcctttctct tcttcattct tctttctctt ttcaactatt ttctttacat ttttttcttt 180
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ttg 243

<210> 43989
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701043457H1

<400> 43989

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ggcagagttc atgcaactct gattttcgtg ttogctggtg ttggttcagc catcgcttac 180
aacgagctta caaaagatgc agccttgat ccaacggggc tgggtggcagt agctgtggcc 240
ca 242

<210> 43990
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043458H1

<400> 43990

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atcatcatgg attcagttgc attaaatggc aaaagcaatg ataagcctct tcacgttgcc 120
atgctcccag gctggccatg ggtcacatat acccttactt cgaagtcgcc aagattcttg 180
ctcaaaaggg tcactttgtt accttcataa acagccccaa aaacattgac cgcatgccca 240

<210> 43991
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043460H1

<400> 43991

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tcacacaga agggcatgtt ggcattctag aaccaactat gaggattcta tagctgaagt 180
agaatccaac gttgaggctc gagaacataa cagcagggtta tggaatcaca gtgcttacia 240
a 241

<210> 43992
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043461H1

<400> 43992

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aacacgccct tggcgacggt ggatcccag atccatgacc tcacgagaa ggagaagcac 120
cgccaatgag cggcatcgag ctcatcgctt ccgagaactt cacctccttc gcagtcacag 180
aggccctcgg cagcgccctc accaacaat actccgaggg catgcccggc aaccgctact 240
a 241

<210> 43993
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701043463H1

<400> 43993

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acacttcgca atggcggttg ttgctcaaac ccctgacatc gccggcgagc ggcagtcg 120
ccaagacgtc gcacccaaaa cgttgtggca tgccaagccg ttgccaacat cgtcaaaagc 180
tctttaggcc ccgttggcct cgacaagatg ctcgtcgacg acattggcga cgtcaccatc 240
acca 244

<210> 43994

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701043464H1

<400> 43994

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tcaccttag gatcatggct ttgtgagtct ccttactcat acatgagact tcctgggtgac 180
tcgggtaggt ttcaaattca agcaccagct gctgcttcac cctcttccac caacccta 240
tct 243

<210> 43995

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701043465H1

<400> 43995

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tttaggggttc ctttaatctc gttattctc ttcactccca aactccgttc actccaacaa 120
cactctgatt tagaaatgat ggaccagctg gtcgaggtgg tgctggactg gacatgtttc 180
tgccaaatta tacattggga aaaacacgtg ggattggatc ttttggcaag gtcacaattg 240
cagaacat 248

0 9 3 1 3 0 6 2 0

<400> 43996

<210>	43997
<211>	239
<212>	DNA
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<400> 43997

<210>	43998
<211>	247
<212>	DNA
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<400> 43998

17650

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gctttcc 247

<210> 43999
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043409H1

<400> 43999

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ttccaggaag taagaattta accaacaaga caaaggaagt ggtgaacact actcaatcaa 120
gcaatgcagg ggataattaa ggttcagaac ctttagaagc atgaaaataa gtgcaatcaa 180
caacattttg cacaattact ttgctgcttt caccattttg ttgttattcc ttctgtgagg 240
tg 242

<210> 44000
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701043410H1

<400> 44000

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agccttgga gtggtgggtg ggcagttcca ggtctgttaa tgggtggcttc aggggttctt 180
ccagttccgt cgattggctt ggcagagaga tgcttgagat gtctttgaga gaccacgagg 240
acgttaga 248

<210> 44001
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701043411H1

<400> 44001

002220"ETTES60

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gaaattccaa cttegccttc ttctctgtgt atattctttt tgatttattt attattattt 180
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gatcgaga 248

<210> 44002
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043412H1

<400> 44002

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ggcccctgga aaaacctgat atattcaaga tggttctcac tggaggagca tggcgggtcaa 180
aacaagttgt aaaagttctt aacaatgaaa ggaaggttat tgtgtatgcc aagccaggat 240
acccgat 247

<210> 44003
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701043414H1

<400> 44003

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gttgatgact gtgttaccag atctcctgca tggcctgaag ggattattct tggctttcag 120
cattacctcg ttgtcttggg tccattctca ttctttccac catccttgtc cctctcatcg 180
gtggtggcaa tgtggaaaag gctgaaacaa ttcagactct actttttgtt gcggccattc 240
acac 244

<210> 44004
<211> 245

<212> DNA
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 <223> Clone ID: 701043415H1

 <400> 44004

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 cactttacct gctgttgatt taaggaaaaa agcagttgga ggcattatat atattcgagt 120
 gatttcagca aataactttc taggagttgc ttttaagacat gtaggaggca accaaatggt 180
 acatccaatg gttgttcaga ggataatfff gatgataagg acctacaaac attttagtag 240
 gtaga 245

<210> 44005
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043416H1

 <400> 44005

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 cttgaagcgg aaagaacaac agtaggattg gcagcaagag acccttcagg gattctctcc 120
 ccatacacct acaatctaga aacacaggcc ctgatgatgt ttacataaaa gttcactact 180
 gtggaatttg ccattctgat ctccaccaga ttaaaaatga tcttggcatg tccaactatc 240
 ccatgggtccc ag 252

<210> 44006
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043418H1

 <400> 44006

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 gaggtggttc tgctagattt ctggccaagt ccatttgga tgagggtcag gattgcactt 120
 gctgaaaagg gttcaaatat gagtccaaag aagaggactt gcagaacaag agccctttgc 180
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tttgtg

246

<210> 44007

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701043419H1

<400> 44007

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gcatgttctt gtcgcgagtc cactcagtgg aagaggagca ccctctggat ccccgaacca 120

tcttccaatc ccaaccaaca accctaaatt cagccaacgc agaggcgcg cccacttggt 180

ccgaacctct tccactcct ctcctcttc tcttctcttc atcctcgccg tccccaacta 240

cctctc 246

<210> 44008

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701043420H1

<400> 44008

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gccgttgatc ctgaaccacc ctgcggtggg aggattttta acgcactgcg ggtggaacgc 120

ggtggcgagg gcgtcagctc cgggggttcg atggtgacaa tgccggcttt cggggaccag 180

tactataacg agaagctgat aacggagggtg cacgggttcg ggggtggaggt gggggcggcg 240

gagt 244

<210> 44009

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701043421H1

<400> 44009

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gggctatcac acagcgattg agaaggccag agattttcga gaaggcaaca gaggagctag 120
ctacggtaat aggtgagata gatgggatga agagcaggac attgtatatt taccttatgt 180
gaatgccatt gcataggacg caatgaggct gcacctgtc gcaccaatgt tggggtcaag 240
actag 245

<210> 44010
<211> 246
<212> DNA
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<223> Clone ID: 701043422H1

<400> 44010

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caagtgtgct gcctgatatg tttagggaca catataatgc aatcacccaa gggaatccca 120
tgtggaataa tttactgttc caacggggcac tctttatgct tgggacccta catcgactta 180
tattcatgag ccacettatt ttagagatat gagcatgtct cccccaggct ctcatggagt 240
gaagga 246

<210> 44011
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701043423H1

<400> 44011

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cctgcgtatt tggtaatatt atagtttatt gatatttata tattagagat ggagatggtc 180
tgaaatatga ggagagctat atttcctctt tatgctactg taatattttt attgttaatt 240
tattt 245

<210> 44012
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043424H1

<400> 44012

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 tggtaaagga ggatttggca aagtctaccg gggaactttg cggtcaggag aggttgtagc 120
 aatcaagaaa atgagttgcc agcaattaa gcagcagagg gggaacgtga gtttcgtggt 180
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 gcggatg 247

<210> 44013

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701043425H1

<400> 44013

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 ttttcaagcc ttaaagagta aaaaagagtg aagacaggaa agaaaggagc accatttttg 180
 gtttgagaaa cataattagc aagagagttc aaatggggca gagagagttt aatgggggtg 240
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<210> 44014

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701043426H1

<400> 44014

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 ggcggatcat ccaagcttcc aaagggtgta actgtggctg ttgtggtatt ggatgggttg 180
 ggagaggcca cacccaatga gtacaactgc atccacaagg ccgaaacacc ctgcatggat 240
 tcact 245

<210> 44015
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043428H1

<400> 44015

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 acaagatgct gcgaggaatg tttcgacgag tctccactg ctaactctgg agctgatggg 180
 aaactttcaa gtcctgttaa agcagaggca gagaaagacg gaatagctaa tctttctttg 240
 gtta 244

<210> 44016
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043429H1

<400> 44016

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 ctcccaatga ctctcaccat tctctctctt tccaactcct ctgagcctcg ctcgtaggt 180
 tctctgtctc ttctcggaga cccacaaaac aattttctat ttatttcctt ctcaacaaa 240
 ga 242

<210> 44017
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043430H1

<400> 44017

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acggtccatt taaaaaacg tggatgtact tcgtgttcta gtgtagataa gggattttgg 180
 ctgaggggag tgcatttttag gatataaaat ccaataatgt cccatcttca atcccttggt 240
 cctaa 245

<210> 44018
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043432H1

<400> 44018

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 gtgaggtttg ttctgtctcc aacaaggcga atcgtgtggc tgataggctc gccaacgatg 180
 ctcggaaatt ggcttgtgat gatgtttgtg aggagtatct tcatcccccg gctaactgta 240
 accagtt 247

<210> 44019
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043433H1

<400> 44019

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 tcatcagaga cctaacttgt tccccgacgc tgacgtcaac atcgttcccc ttgctaattg 180
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 ggatt 245

<210> 44020
 <211> 243
 <212> DNA
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<223> Clone ID: 701043434H1

<400> 44020

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tcgctggtgt tgggttcagcc atcgcttaca acgagcttac aaaagatgca gccttggatc 240
caa 243

<210> 44021

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701043406H1

<400> 44021

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ctcccgaaga tgggtggtctg atctcttcgt tctactacgt gcgatccaaa ccgacggcgg 180
cttccgcacc ttgtcggagg gtcagtcagt agagtccttc gtcactcagg acgacagcgg 240
gcgagcc 247

<210> 44022

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701043435H1

<400> 44022

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ttggtacttt ggatgactct tttagcgtg cctctcttaa ggcttatttc gcagagttcc 120
acgcaactct attttcgtgt tcgctggtgt tggatcagcc atcgcttaca acgagcttac 180
aaaagatgca gccttggatc caacggggct ggtggcagta gctgtggcac atgcatttgc 240
a 241

<210> 44023
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043372H1

<400> 44023

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 tctcgatgtc tcaatgtgcg aataaatgca ccaagtgaag aacagattgt tgaagtttta 120
 gaattcattg gtaagaagga aggctgcaac ttcctcctgg ttttgctgct cgcattgtgg 180
 agaaatcaaa tcgaaattta aggagggcca tattgtcatt tgagacttgt cgtgtccaac 240
 agtatccttt cactaacaaa caaacaatt 269

<210> 44024
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043373H1

<400> 44024

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 tggttggggg atttggaana ggctgaggcc actgacactc agtttcccta agcctcttgt 180
 tgattttgct aacaagccta tgattttgca tcagatagaa gcccttaagg ccattggagt 240
 gactgaggta gtgctagcca t 261

<210> 44025
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043374H1

<400> 44025

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 gagttgagaa ggatgagaga gatgaagaaa aaaggtaaca caaaagaaaa tgactatggt 120
 tacatggaag aagatgatca gagaatggaa gtccagcagc agtgccagtt ccattgcctg 180

002220"ETTES60

atatggccat gccaccatcc tttagacagt acaatccagc ctatagatac cggtt 235

<210> 44026
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043377H1

<400> 44026

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gaatttcagg tttctggggc accttggtca catatggtgc caatttcttc ttcccctagg 120

tctagtgttg ctagcttcag tataataatt tattggattt cacttacaac aagacagatc 180

ataggaagaa ccaactacca gatacatccg agtghtaatag cacagccact gctggagttt 240

acaagaagac taagagccaa ccattcttcaa 270

<210> 44027
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701043378H1

<400> 44027

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ttgaacttgc acttggttta ttggtttttg ctctgtttct gcacttgcgt cccacaccca 120

ctgcaaaatc aaaagcattt cgcattctcc aaaccaccca agcccaaagc ctctgtctcc 180

cttcatagga caccttcate tcttaaaaga caaacttctc cactacgcac tcatcgacct 240

ctccaaaaaa catggtcctt tattctctct 270

<210> 44028
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701043379H1

<400> 44028

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aaacatcttt ttcttgcagg tatcggaata gcatcatcac cttgtcaagg gtaacttcta 120
catcatcctc actaaccctt ttagacctt cggagttta tcatctacaa atagtgaat 180
gaactctgga gaacgagggg tcaagttgat gaaatattca aatgaggaat tcaatgcatt 240
ctggaaagac ttgtcattga cgaatgcaa 270

<210> 44029
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701043380H1

<400> 44029

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cacttttcgg cagccggttg ttgaatttcc aatctgtgat tttcttcttc ttctatttat 120
acgtgataat tccaaaaagc ctacgcgaga gattcatcag cttttcaatt attcctcgaa 180
ttattttgaa ggaatcatcc aaactgcttg aactattcat catcaacaac ctcacgctgt 240
tatagatatt ctctctctct ctctctctca ca 272

<210> 44030
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701043382H1

<400> 44030

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gaccctccat cagagtaccg aaagattctt ggagctgttg ttgtaatagc agcaaatgcg 120
gggggtgcat ggactcctat ggtgatgtta caactactat gctgtggata catgggaaat 180
tatctacagt tcaaacgtga aggatttggt tgtaccttca gccgtttctc taagtgttcc 240
ccttgggtctc taatgtccct gac 263

<210> 44031
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701043383H1

<400> 44031

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ggttgctagt gctacagcaa catttgtgat gatgttttca tcatctctgt cagtgggtga    60
actctacctt ctcaagaggt tccccattcc ttatgcatta tacctcacct cagtgtctgt    120
tttggctggc ttctggggca attcttttga agaagattga ttgcatgcct tgggagggca    180
tcaatcattg tattcatcct ctcaagggtc atttttgcta gcgccctcac catgggtgtg    240
gttggcattg agaacagcat tc                                              262

```

<210> 44032

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701043384H1

<400> 44032

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tccaattctg ctttcattta tgtggacaaa cgaaagggtt ctgttgaggt acaagctcat    60
ttagtggaga atggaattga aattcgagag tatacagctg taagctctga tacgacattg    120
cttgcaactg atgagcttat tctgtatcta ccgccaaggt tgcttttagct gaaacagagg    180
tccgaaaaat tccaatgaa actgctaagc atgcaaattg tgaacatcaa gcagaagaaa    240
atagtaatga cctcatatgg gctga                                          265

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<210> 44033

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701043385H1

<400> 44033

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cacagttcac acaataataa catcttcatt cgtttaccca cttttcttta cgaccttatt    60
ccttcgattc tgtcttagaa tgacgaattc actatctccc tgaaaccatg actgtgaggg    120
acagtcatca tcattgagct taccagaac taaaaaagca atctttatca catatcacia    180
ttcaciaaagc ttctgtggtt gatgggtaga aggggaatcc aactgtttga tgagaaaaga    240
gatgtctttt tctctgtct                                              259

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<210> 44034
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043386H1

<400> 44034

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 aattctcttg tgtctcaatg ttctcttctt cactgtgggtt agttccacat atgttccatg 120
 caaccacccc cccaaaactc caaacaccca cctgtcccaa agccaccttc cccaaagcaa 180
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 aacgtgcaac tagggaagcc accaaaa 267

<210> 44035
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043388H1

<400> 44035

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 gtgctatttg ggaaccacat tgaagaagtg agaaagagga agtccaaaa gcataagaaa 120
 aataagactg aagatggaaa aagtctaaat tactatgtgc tacttcttgt acttggtcat 180
 ttcttttgtt caggttcaag taggacacag aaggaagcac cagtacatat gaatgtacta 240
 aggcataatg aagaaaaaca actaaaat 268

<210> 44036
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043390H1

<400> 44036

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ggctgttcaa ctaggtatcc agacataata cagaaccatg ccaaaccat ttctctttct 180
gacttggctct ctactcttca aattccacca gctaacgctg cttttgtgca gcggttcacg 240
cgcttcttgg cacacaatgg aa 262

<210> 44037
<211> 266
<212> DNA
<213> Glycine max
<223> Clone ID: 701043391H1
<400> 44037

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tccttgtgct tgttaatctt ttgttggaat atcatgcttc taaatgtaaa gcattaaaaa 120
tctatcagtg accaaatcac atggtgggtt ttatgtttct gaatatattc gcacccgatt 180
ctgcagctat ttgcttttga tacagtacac aagaacctat ccccaaagcc tggagagcag 240
tccaaaatcc caattcctgc atcttt 266

<210> 44038
<211> 270
<212> DNA
<213> Glycine max
<223> Clone ID: 701043393H1
<400> 44038

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tcacaattca cacaccaaca ccaccactcc ccaatctcta acttttcccg agaaaattat 120
aatttccatt ctcttttctc ctcagattcc cggaatat agtattcaca acgttatatt 180
ttggcaccgc caagctccaa ttcaatccgt cgtcgttttc gcgaattccg aatgcgtcga 240
cttcgggttg gagaatgagt tctccgtgct 270

<210> 44039
<211> 257
<212> DNA
<213> Glycine max
<223> Clone ID: 701043394H1

<400> 44039

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gggtgttgga tgatgtgata agaaggcttc tggaagggaaggaggagaaa caggtgcaac 120
tctctgagcg gagatccgtc aactctgcgt caacgccaga caaatcttcc tctctcagcc 180
aattcttctc gacctccgtg ctcccatccg catctgcggt gatatacatg gtcagtagca 240
ggacttgctg aggcttt 257

<210> 44040

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701043395H1

<400> 44040

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ttataaaaaa tgaaacaaat agaaatggaa agtaacgcat cagcactagc aaagaaagtt 120
tgagagcatgg tacgtgtggt gtgttcatgc ttcgaaaagg cataacaaag gggaagctca 180
tgatggacct caacatgatg ctgaaacgcc gcggcaagct cgccggcaaa gccattgcca 240
acttaatgct gtcccaccac caccacaacc g 271

<210> 44041

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701043401H1

<400> 44041

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agaaagttag cgatgtagca ttcaagggtg gaaggaacat cgattgggat ggaatggcga 120
acttctggtc tccgataggc tcgcaggag ttctccaatc tccgtcgcgc ttctgacgag 180
gttaactccc aactccaaac caagttagc caggaacctg agccattga ttgggattac 240
tatagaaagg g 251

<210> 44042
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043402H1

<400> 44042

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 acgttgagtg tcctaattgtg aagtacaccg agactgagat tcagtccgtg tacaactacg 120
 aaacaccgaa cttgttcacg agaacaggaa tggcacctat cagtggattg tcaaaccctaa 180
 atctgtcaaa tacgaattta aaaccaacat ccatgttcct aaatgagggg taatg 235

<210> 44043
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043403H1

<400> 44043

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 gcgttcttct cgaaatgaga cttatgcact tatgctagtg gtggtgggtg gctccatagt 120
 ggcttctctgt ggtgcaactt caaccaagac ttgatctaa cttgggggtga tcagcgtgct 180
 aagatattca atggtgggtca gtttctatct ctttccttgg acaaagtctc tggctctggc 240
 ttccaa 246

<210> 44044
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043404H1

<400> 44044

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 ttttactttt tctcaaactg aaacataaaa aatggagggt cttattcctt ttgtttacaa 120
 ggctatcatg caatcaaggg cgacaaagag ggtcatccta taggatcatg gctttgtgag 180
 tctccttact catacatgag acttctctgg gactcgggta gggttcaaata tcaagcacca 240

0053113-032200

gctgctg

247

<210> 44045
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701043405H1

<400> 44045

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cggaagaac aagcgcattc ccaaagggaa aaaggtggc aagaagaagg cagctgatcc 120
ctttgccaag aaggattggt tgacattaag gcccttctc tttttcaagt gaaaaatggt 180
ggcaaaaccc tcgtctctcg tacgcagggt accaagattg cttctgaagg acttaaacad 240
agagtgtttg aggt 254

<210> 44046
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701043370H1

<400> 44046

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tctctctctt tcttctctct ctcttgcca tcgcttccgc caatgtcttc ttcgaagagc 120
gtttcgatga cgggtgggaa atcgatgggt taaatcagat tggaaaaaag atgagaacgt 180
ggctggggag tggaaccaca cctctgggtc atggaatgga gacgctaag acaaaggtat 240
tcaaaccagt gaggattaca gattc 265

<210> 44047
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701043341H1

<400> 44047

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gaacatcaaa tggagatatg gtgctcctcc aaattatgac gttgtcaaca aattatttga 120
tgaaggcaga accaaggtat ggccctgggt tcacttgaag aaaaggtgca gacttttagtg 180
aagaattggg agatggaaat gttccacaag gaggatttca aggataacag atcagtggaac 240
ccagagaaat acactttcag cctaaacgga agg 273

<210> 44048
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701043342H1

<400> 44048

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tacgactccg tgaacggcgg aggtgatgtt tggatcaacg agaaccgttt ccgcatcggtg 120
cgccagtacg gagaaggtgg cttccctacg tctacctcgt caaggagggt cccgacgact 180
ccgccgccgc tggcctcgcc aagaagctca aaggctcctc tcattctctcc gatgatggac 240
cttatgctat gaaaaagggtc ctcatcaga aca 273

<210> 44049
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701043343H1

<400> 44049

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agcaaacttc tgacacgtca agtgatgacc cgagacatca tagaattttt tgtcagaaac 120
atggtaaagt aacatttggg tgcaactgca atgcacatgt ggtacatgct gattccagtg 180
actatggtgc cttggatgaa aaatgcatac acttggccga gctagcagcc actgctgtcg 240
attttccaaa gaccgggaag cttgtcacta tg 272

<210> 44050
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701043344H1

<400> 44050

gaacggggttt tgaagaagaa gcagttcaat tgatcaactc agatttcagg gacctaagtc 60
tagctgctaa tagactcgcc catcatgcca tcaaacttgg tggcattggc tttggagcct 120
ctattttcgg attgtctgct gccatgctgc tatttatctg ttgattttgg atcgtacaaa 180
ctggtaaaca tatattctca cagcactact cattccatac attttcttca gcttgccttc 240
agtaattttc gacgtcttca ggggagagc 269

<210> 44051

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701043345H1

<400> 44051

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ctgttttctg ctcttattcg taacacttcg gctattctgt tcgtcgctta gacgagtctc 120
acagatgggg agagatggaa atgggaacac aacgatcgct ttcactccat tcaccagtac 180
gagaccgatg atctgaccgg tgcggttcat aaccctcgat cttgtcgaga atgggtgggt 240
ttgtttactc tgacgttgat gctgcttata agtg 274

<210> 44052

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 701043346H1

<400> 44052

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tcccatgata gataatttgt tattgtttac cctttccaag ctattatgat agtattttcc 120
ctatgtaac 129

<210> 44053

<211> 274

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701043347H1
 <400> 44053

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 aataatccca gaatattttt atcgtaataa ttcaaggaga gtcaatgaat tggccttcct 120
 agttcaacaa ttttgtattt gacgttgtgg accatcctac atttttacat cttcagtatt 180
 tttctactat ctttagtgta tattatgtat atatttttat acattatctt tagtatatta 240
 attaattaat ctattaagta cgttttgttt tatg 274

<210> 44054
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043348H1
 <400> 44054

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 tagaatcaag aaggatgcca ctgaattgat agggaatacc ccaatgggtat atctgaacaa 120
 cattgtggat ggggtgtgtag cccgtatgct gctaaattgg agtacatgca agcgtgctgt 180
 agtgtcaaag ataggattgc tttgagcatg attgaagatg ctgagaaaaa aggccttatt 240
 acacctggaa agactgttct gggttgagtat acaa 274

<210> 44055
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043350H1
 <400> 44055

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 tcattcattc tcattcttct ctcttctctc tccacccaaa ccctaactcc cgaccctgtt 120
 cccctctcgt atccgtcatg aaagaggaaa gtccaagacc gaatctaaga gagccgatcc 180
 caaacttgct gtgaataaga agggagccgc caccaagcta ggaaaccgc cggcacaggg 240

taggcagcga aagaccctaa caagc

265

<210> 44056
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701043352H1

<400> 44056

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acccggcgcc ggaaaagcag tgaaagtgtc ggagccgatg aagaaaagtc gccgaggacc 120
acgctcgcgt agctcacagt acgaggagtt actttctaca gaagaactgg tagatgggaa 180
tctcatatat gggattgtgg aaagcaagtg tatttgggtg gatttgacac agcacatgca 240
gctgctcgtg cgtatgatag agcagct 267

<210> 44057
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701043353H1

<400> 44057

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cccagttcgc gttctcgtca ctggagccgc agggcaaatt ggatattgtc ttgtccctat 120
gattgctagg ggagtgatgc tggctctgac cagcccgtga tctccacat gcttgacatt 180
cctccagcag cagagtcgtt gaatggggtt aaaatggaat tgggtggatgc tgcattccct 240
cttcttaaag gtgttggtgc tacaaccgat 270

<210> 44058
<211> 172
<212> DNA
<213> Glycine max

<223> Clone ID: 701043354H1

<400> 44058

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aatttctttg atttgcagca ggggaacaac aaaattaatt tgtttaagtt ctgatttcca 120

tcttgtaatt gtgtttcata aattcattga tctggcttca tgtttgttgc ac 172

<210> 44059

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701043355H1

<400> 44059

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agagaagcat tcataggcgc caattgtgag tgagacagaa gtttctgttt tttctacttt 120

tccatttttt tgggagagag agaggagaga tctgattctt caccataact gtcattgctt 180

tgcttctctc actcagcaca agttgacaag aagggcattg ccatttcaat cccatacaaa 240

aagcacacac cccaattcac caccattttc ct 272

<210> 44060

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701043356H1

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cgcttcgaat ctttgaattc attcaaagat ctccctctac gcatatcagg gcactatggc 120

tgccacggtg aaacaaatgt ctttatcgtg tcaactgttg gtgtggtgct cttcattttg 180

ggagttgttg ctgaaaacaa gaagcctgtg gctggaacac ccgtgcctgg ttcggatggg 240

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<210> 44061

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<212> DNA

<213> Glycine max

<223> Clone ID: 701043357H1

<400> 44061

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aaggactggt tatatgcagt ctttcatgga tagtttgata gtcctggctg gttggcatga 120
atggaatggg aatttttcac tggcaccttg tactacgcag actatgataa cacaggtcct 180
ggttcaaaca ct 192

<210> 44062
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701043358H1

<400> 44062

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ggagacctgg ctgccgatgt tacggattat cttcttcaag agacatttcg ggcacgatat 120
ccctcaatta agggggccaa agtgtaattg ataggctaac tggacggaca aagggttatg 180
gttttgtag gtttgagat gagagtgaac aggttagagc tatgactgaa ctgcaagggg 240
ttctttgttc aacaaggccc atgcgaatt 269

<210> 44063
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701043360H1

<400> 44063

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atgctgaacc cgaagccgcg cttcttctaa tcacacgacg actcattccg tatacttcac 120
actctcgtca acaatggccg atgtgccgga gccacagtga gtcctctat cggtgacacc 180
aacgctgcgc agaagaatgt gttcgatttg ggagcgtttg ttggagacct aactttggaa 240
gatgatccaa gcagcgatga tatatcattg g 271

<210> 44064
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701043361H1

<400> 44064

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 gacaccaaag acagcagaag tggtgtttga gggagatggg ggagggttact acacttggtg 120
 gagttctaaa gtgccactgc tggcaagacc aatgttggtg ctggtcgggtt agtgcttcag 180
 cctcagggct ttgctattcc tcattattca gatatatcca aagtaggtta tgtgcttcaa 240
 gggaacgatg gcgtactagg gatggccctc cgc 273

<210> 44065

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701043362H1

<400> 44065

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 ctctctcccat gcaagcccta gttacattg tcagcagcag agctttctctg aacctatgag 180
 gaatcatatt tccggttctg atgtttcccc tatccagagt ctactagggt cattctccca 240
 ggatggaaca tcccagttac ttaacttgcg tg 272

<210> 44066

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701043364H1

<400> 44066

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 gcttcctttt gtttcaatgt tttggcttgt gttcctaagt ccttttagtga actgtcaact 120
 ttattataat ttctatgact cacctgtcca aacctgaccg gaattgttcg atccaacgtg 180
 tggtcagcta tggccaagga tgcaagaatt gctgcttctc tcttgcgctt tcattttccat 240
 gattgttttg tcattggatg tgatgcatct gtgct 275

<210> 44067
 <211> 138
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043365H1

 <400> 44067

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 aagctctggg tctattatga atatggaaac atagaagaga ttctcaaatt tgaatctaac 120
 ataccatac cagacatc 138

<210> 44068
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043367H1

 <400> 44068

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 acttatagaa gttcatgcaa caactcgagg tggtcaccat aggggtaaag tagattagat 120
 ctacagttgc tcctgatgta cacctccaat ggatgctgag gagtatgctg agtgtgaggc 180
 atgggtacag gactttcctg cccttcgtga agccatgaag aagagagggga ttgtggatat 240
 ggatctcgtg atggtagatc t 261

<210> 44069
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043368H1

 <400> 44069

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 agcctgcaac cgagaagaga gaggattttg ggaagttgca gtacggatgc gagcactata 120
 agagacgatg caaaattcga caccatgctg caatcagatt tttccatgtc gtcactgcca 180
 caacgacgcc gcgaactcat ctagcaaccc cgcagatcgt catgaacttg ttagacgcga 240

266

<400> 44070

<400> 44071

<400> 44072

17677

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 aaacaaaagc ctcttcaaata tctccaacac taataaccaa aatggccact gaaaagctta 180
 gaagttgtgc aaacttcctt gagaactcta aaccctactt tgccatgatt gctatacaat 240
 ttggctatgc aggcataaac attatcacta agat 274

<210> 44073
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043311H1
 <400> 44073

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 accccagtat ctacttctgc cggcaacttt gctgttgtgg aaaatgccaa tggttcagag 120
 acaatccaag atgatgtgga agtggaggga gcagtgatcc ttcatttgac gacagtgttc 180
 agcatgcttt agttgttggg gactacaagg gggcagttat gcaatgcatt tctgcaaata 240
 aatgggctga tgcattagtt attgctcatg ttggga 276

<210> 44074
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043312H1
 <400> 44074

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 atgcgaccca ctttctagaa cctcgccgtg tgccggaaag ttcactcctt tctcactttt 120
 ccgcagcaat gtcaatcttc gacggagctt catgaacacg caactctcca agcacacttc 180
 gatcttcggc ctccgtctct gggtcgtgat cggaattctc atcggagtct tcacgtctt 240
 caaggtcttc ctctctacc tctgccttgt ctctcg 276

<210> 44075
 <211> 279
 <212> DNA
 <213> Glycine max

002230 ETTE560

<223> Clone ID: 701043313H1

<400> 44075

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ccatggaagc tatgacttca tctttgttga tgcggacaag gacaactacc tcaactacca 120
caagaggttg atagagcttg taaaagttgg cggcgtgatc gggtagcaca acaccctatg 180
gaacggatct gtggtggcac cccctgatgc tctcttagg aagtatgtta ggtactacag 240
ggacttcgtg ctggagctca acaaagccct cgctgtgga 279

<210> 44076

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701043314H1

<400> 44076

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gaaaacatca aggaggttga tgttgccgat ttgctgcta cccttctccg caaaaaattc 120
aacaactaat ttcaacaatt ttaatttttt ccaaaccctg ggtgattgat tcgttatgga 180
attaattttg atactcatat gctctgccca cttcattat acgattgcta tagttttaca 240
agtcagtaga ataactatta gcagctaata agaattgtaa 280

<210> 44077

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701043315H1

<400> 44077

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tttgaatggt cttccggttt tacatcaaga tttggaatga tttatgtaga ttacaaaaat 120
gatttgaaga gatacaagaa attctctgca tatggtttga gaattttctg aagaaagaaa 180
ccaaactata tggttctagc aaatagtatt atgaaatttg tttacaaaat agttatatat 240
atttgtaa atattattga tttgtatttg gtcatt 276

0953113.032200

<210> 44078
<211> 153
<212> DNA
<213> Glycine max

<223> Clone ID: 701043317H1

<400> 44078

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aggaggcatc tgaaagtaag aagcataaac ttgcagagtt ggggaatgcc ttgcttacag 120
atccagagtc caatattaaa tttctgaagg aga 153

<210> 44079
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701043318H1

<400> 44079

cctcaatcca actatgcttc cttacattat cttacatctt tctaatacaa gttatccatt 60
tgttcgtctg tgcgtggaa gtgggttggt tcataattcc ttcgctctct gagatcgtgg 120
agaatctcgt aatttgaagc taccaccatt gccaaagttg agatttttac gcacctaaga 180
gtaatgcaag accttttaag aaagattagg tactgggtat cttgtattcc aactccatca 240
ggatgttggg gaggaaagag atatggccgt cgctagc 277

<210> 44080
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701043319H1

<400> 44080

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ctccaaggc gttcgcaaca ccaagtccca cttcgaaacc cccaacggca aaatcttcac 120
ccagtccctc ctccctctca acctccaacc caccaagtca aagccaccgt ctttatgacc 180
cacggctacg gctccgacac cggctggctc ttccagaaaa tctgcatcaa cttcgccacc 240

002250"CTT250

tggggctacg ccgtcttcgc cgccgacctc ctccg

275

<210> 44081
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701043321H1

<400> 44081

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ttttcaagtg gaaaaaacct ggagatcccc acgagtttga gcaatgagat ttggatgcgc 120
ggtttttagtt gtgatcaata agtcgaagtt agaacaatag tcttggtata aggaccttgc 180
caataatttt ttagttctga ttcacagagc taagacagtt ccgtcttaga ctttaaaagt 240
tttgatattt agctttaata cttgaagttt a 271

<210> 44082
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701043322H1

<400> 44082

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accactgaaa tcgggggttca tgcaaccgct acaaagtggg tcaacctctt cgcaacacaa 120
ctccatcatg ttcaaaacct aactgataag tgcattggaac caagctgcat caaggtgaag 180
actggcatca caacgagaca gtcaagcact ggacttatac catagatggg aaggttacia 240
catgtctgga gagtattgaa tccattgatg aacaga 276

<210> 44083
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701043323H1

<400> 44083

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ctcttgcagg agagagccat gtccatgcat cgctacctga ggaagattat tgggaagctg 120
 tttggccaaa cactcccatt cccactgcct gcgagagctt ctaaagcctc tccctgcagc 180
 gtgttgaacg cgatgaactc cctaagcaaa ttgatgatac acagtacca aaaacattct 240
 tctataaaga agaccgtcat ccaggcaaaa caatgaaa 278

<210> 44084
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043324H1

<400> 44084

ctacaaatcc cctccaccac caacgtcgca tctccacct taccactatg tgagccctcc 60
 accaccttct ccatctctc ctccaccata ccattacaca tcaccacctc ctcttcccc 120
 agtcccgtc cccaagtaca ttacaaatc cctccacctc cagtttacat atatgcttcc 180
 ccacctccac ctatctacaa gtaagttcga attgcggaag accattcacg ataaatcatg 240
 ttctagtttt tatcgaggaa taaaggcaag ctctatttg 279

<210> 44085
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701043326H1

<400> 44085

gctgtggctg ggataatgtc tgatgcgaac atcctaata ataccgctag ggtccaagca 60
 caacgtaca catagccta tcaagagccc atgccagttg agcagttagt tcagtctctc 120
 tgtgatacca agcaaggtta caccattcg gtggtcttcg gccatttgga gtctcgtttc 180
 tgtttgcggg atgggacaaa aactttggct ttcaacttta catgagtgac cctagtggan 240
 attacggtgg ctggaaagct ggagccattg gg 272

<210> 44086
 <211> 274
 <212> DNA

<213> Glycine max

<223> Clone ID: 701043327H1

<400> 44086

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ctaactctaa gtcacttttg tcttctcctt cactctcttc aactcaaacc tcacatgggt 120
tatgggtgttg tgttgttatt agcttgactc actcccaacg tctcttttct ctttgttttg 180
attgcaatat tgtaacgctc gcattccatt tattgcttcc tttgacttgg cttecttctt 240
ttgcaagagt ttttcttttt ccttctcttc tctc 274

<210> 44087

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701043328H1

<400> 44087

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cttctccgtc tttgtcttct ctgtcttaat cttcaccgtc atagccataa cctaccatcc 120
cccagaccca tggtcgcagt ccacccctcc ctaaccaacc tcttcaccca atcacaaaat 180
gccactttcc gaatcgactc ctccgtcttc aaaaccggcg aagacctcgc tccctcgccg 240
caagaccctc cctccccgtc gccgccaccc tccgc 275

<210> 44088

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701043331H1

<400> 44088

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ctaggtcaag gtcgagatct aggtcgaggt ctaggcctag acaaaggcca agatcgcggt 120
ctagaagtcg tggcagggtca aggtcacat tctggaagg tcaaggtcac caattcatgg 180
aaggtctgaa cctacaaatc ctggtgacac actttatgta actggtctat cttcgagggt 240

caccgaaaga gacctagagg agcattttctc caaggaa

277

<210> 44089
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701043332H1

<400> 44089

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accatcgtaa gcatcaaggc cgcagagatc ttgcacagtc gtggcaatcc aactgtcgag 120
gtggatttga cttgctccga tgggtactttt ccagagctgc tgttccaagt ggtgcatcca 180
ctgggattta tgaggccctt gaattgagag atggaggatc tgactacctt ggaaaggggtg 240
tatcaaaggc tgttgacaat gtgaacaccg tcattggccc 280

<210> 44090
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: 701043333H1

<400> 44090

ctcgagccgc tttccaaact ctcttcttcc cttccaagac ccttttgaag caaccgatgg 60
aatttcagtt tcttcccaga ttctaccttc ttgtttcctt atccattctg ttccttgcac 120
cctttcacgc tcaagctaaa attaaaggac ttactgcgat aagaaggcag actatgctgt 180
gaaggtgtct g 191

<210> 44091
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701043334H1

<400> 44091

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gaaacgggtcc tccccggctt tccatttttt ctcttctgat gaaatttttag ttcattccag 120

ttgctgattg agattgaatt taaattgaaa aagcgtactt gtgdcactgt acttttagag 180
 tctgcgggta aggggctagc ctatcgtagt tttgcgtaga tctagtgtcc gtgaacgcgt 240
 taccatttca cc 252

<210> 44092
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043335H1

<400> 44092

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 gggggcacgg gcctcttctc tggattcacg cgtttatgca agggccttgc ggtgggtgctt 120
 gtttgcggtc acattgcggt tcagttatcc cttcagctgt taactatctt gctcttattc 180
 ccgccaggac aatcccatctt gcctggactc tcattacagc tggatatgtt gaacaatcta 240
 tatatgggggt agtggtcagc acattaagtc t 271

<210> 44093
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043336H1

<400> 44093

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 ggctttttgt caagaatagg aaaaatgaag ccgttgatgt gctttctaag atctttgacg 120
 ttgctcgctt agaagacgaa gtcgatttcc tctactgtca atccgagcaa gagcgccaaa 180
 gaaggatcaa tatcaaattc tgggatgttt ttagatccaa agaaatcaga ctggcattcc 240
 tcgtcggtgc cggacttctg gcttttcagc ag 272

<210> 44094
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043337H1

002220.032200

<400> 44094
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cgtcggtcac aagggaagt ttggtcacga gttcctggag ttcgagttcc gccagacgg 120
caagctccgc tacgccaaca actccactac aaaaacgaca ccatcatccg caaggaggtt 180
tacctaacc cgcgcgttct cgcgagtg cgcgcgcatca tcgccgagag cgagattatg 240
acggaagatg ataacaact 259

<210> 44095
<211> 88
<212> DNA
<213> Glycine max

<223> Clone ID: 701043338H1

<400> 44095
cagaaagaca gtaagtgaga gaggagcatg gcagttgttg aaagaaggag ggaattgata 60
ttcaggtcga agcttccgga tatctaca 88

<210> 44096
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701043309H1

<400> 44096
caaacttcaa caacaatttg atagctacgt gtcccaatgc cgagtcccc aacaccgtta 60
atttgagcgt gagaaccccc gtgaagttcg acaacatgta ttacatcaac ctcttgaacc 120
gccaggaggt gttcacttct gaccaggact cgcgggcagc cccaaaacca aggaaatcgt 180
gaaccagttc gcttcagacc agaaactgtt ttttaagaaa ttttccgatg cttttgtgaa 240
ggtgagccag ctagatgtga taacggatcg tattgg 276

<210> 44097
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701043265H1

<400> 44097

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 ctgatgacat atgttcacaa gttggtttat gttcttccaa aaggcatgaa tctaagagtg 120
 ctggaattga aatgggtgact gaaaaggagc agggagagtt gacggcaaga gataatcctt 180
 tgtgttcttc ttgtcagatg cttgttcttt ggatccagaa tcaactaaaa caaaaggcaa 240
 cgaag 245

<210> 44098

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 701043266H1

<400> 44098

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 ggcagaaagc gctgaacgac agaaactacg aactcctgga tcgctcgag cgcccttct 120
 acctcttggt tgctgtccag cgttggctca ctcttggtct ggatctggtc gtcgctgcca 180
 ttgccgtact gctgatggtg ctagtggtta cgctccg 217

<210> 44099

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 701043267H1

<400> 44099

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 tcagtagttt gttccaagtt tctgatcaat ggaacatagt ttgaaaagaa agtctccaga 120
 gagtggagac aatttactct tcaacagatt ttctctggat gaccttaatg aagatctctt 180
 ggagagggta c 191

<210> 44100

<211> 144

<212> DNA

<213> Glycine max

<223> Clone ID: 701043268H1

<400> 44100

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ctcagacgta gtcaccaaca ctgatcaacg cgactatggc atctgcgttc gacaagctcg 120
tcgactcccc catgtaccag agac 144

<210> 44101

<211> 163

<212> DNA

<213> Glycine max

<223> Clone ID: 701043270H1

<400> 44101

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agggtggacgt gttcgcaccc tgttatccgg agctgctcct ttgcctaggc atgtggaaga 120
gtttatgagg gtcactagtg gatctacatt atcacaaggt ttt 163

<210> 44102

<211> 160

<212> DNA

<213> Glycine max

<223> Clone ID: 701043272H1

<400> 44102

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caagcccaat cgggaccgta ccccggcggc gccgtggaag tgcagggtgca ggtgcagggtg 120
caggcgcggc cccgttccag cacctgctcc agcagcagca 160

<210> 44103

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701043273H1

<400> 44103

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0053113.032200

aagaagagag gtcacgtcag cgccggacac ggccgtatcg gaaagcaccg caagcatccc 120
ggaggtcgcg gtaacgccgg tggcatgcat caccaccgta tcctcttcga caagtaccat 180
cctggtttct tcgggaa 197

<210> 44104
<211> 214
<212> DNA
<213> Glycine max

<223> Clone ID: 701043274H1

<400> 44104

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tcgttcagtt tcgatggatc cttgttattt ttgtggctct tcccatctcc ttcaccattt 120
atttccttac ataccttggg gatgtaagat ctgagtggaa gtcctataag acgcgtcaga 180
aggaacatga tgagaatgtg aagaaggtta tcaa 214

<210> 44105
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 701043275H1

<400> 44105

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ctcagggtgt ctctagacaa agagaatttg acctttgtgg caaggaaaga gagaattttg 120
tgccttgta caatgtttca gccagtttgt tagcagggtt taaagacgga gaggagtttg 180
accggcattg tgaactgtta gttgaagcag agaggtgttt ggttcgcct 230

<210> 44106
<211> 162
<212> DNA
<213> Glycine max

<223> Clone ID: 701043276H1

<400> 44106

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gccactattg tgttcatgta cacaatcttt gagcgcttct tccctccaca cttgcgtgaa 120
 aaacttcaag cctataactca aaaacttcac aaccatttca ac 162

<210> 44107
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043277H1

<400> 44107

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 caatcttcta atgcggaacag atttaacatt cttgcaaata cagagaaccg attgcctgca 120
 acttctggag ttgctaaatc caaacccaaa acaaagcctg agaagggaat gaagataaag 180
 tacattccca aacaaaaaga agcaacctag taagaagaaa caagaagaaa ttgg 234

<210> 44108
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043278H1

<400> 44108

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 caaccaataa tagctttcgc agcaaaagca acgattcaaa ttcaacctcc tcagatggca 120
 cattctttct cgccagccaa acgcgccctt gcctttgccc ttcaacggcg agggtagcga 180
 gtggcgtctg atgcttctcc ttgatgaga gggggattgg atagcattag tgtaatg 237

<210> 44109
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043279H1

<400> 44109

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 tcctccgcca gatctcatcg tcgccgtcgc cgaatttctc cttggcgttt tgtctccgcc 120

tctcactctc gttgaagctt attaagtacc gatagcatgt gccggcaaaa ttctccggta 180

caccatgccg gtgaagaaga aattgcagct gatgatagcc ttttgattta ttgc 234

<210> 44110
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 701043281H1

<400> 44110

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ctagaacaac ttgctttggg ttttgtaact tgaaatTTTT gtgtttatct cgagaaaacg 120

tggattcttt taatcgtaag gacttttgaa aaatagttta ttgcaatctg ttccgtagac 180

aatctctttt tatctttgaa aaaaaaaaaa aaaagggcgg ccgcc 225

<210> 44111
<211> 200
<212> DNA
<213> Glycine max

<223> Clone ID: 701043284H1

<400> 44111

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ttgctgattt tctctttgca gttggagctg tggagctggg caggaaccaa cccactgaaa 120

gaatttcagg tagtgctggg gatgtattgg aagatgatcc agtgggaagg ttaaagggtt 180

tggtttatga cctcccaggt 200

<210> 44112
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 701043285H1

<400> 44112

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tctttctcct cctcagaacc tcaaacacca aaaccaagca ttacaattcc caatttcaca 120

gaaacaccag aattaataaa acacataaca acaa

154

<210> 44113
<211> 163
<212> DNA
<213> Glycine max

<223> Clone ID: 701043286H1

<400> 44113

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gatatggatg acgctgaaga tgaggctgga tcgtacttca ttagtgctgt atgctggaag 120

agtgategcc ccactattct aactgcaaat agtcaaggca cca 163

<210> 44114
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 701043287H1

<400> 44114

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acccctttct ctctcctcct tcccccttta atttcctttt ccttcttaata tgtcttaatt 120

tcccttgat tctggtaatc tagctaacc tttttatttc cattagccac gatatcatca 180

ccatcgccac cttctagggtg ggatccagggt 211

<210> 44115
<211> 131
<212> DNA
<213> Glycine max

<223> Clone ID: 701043288H1

<400> 44115

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cgaaagctcg g 131

<210> 44116

<211> 150
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 <213> Glycine max

<223> Clone ID: 701043289H1

<400> 44116

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 cgagacaatc gtaacaatag agtttccctt tttgatggta ttgagcaggg tggcatcaga 120
 gcatcatctg tttactcctc ttctcatgaa 150

<210> 44117
 <211> 165
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043291H1

<400> 44117

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 tgggatcaag cagctggacg ctttgtctcg tctcatcaa gaggtcccg aacagaatta 120
 ttgtacacgg gccgttctat attttttggc agccccgttg tgaat 165

<210> 44118
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043293H1

<400> 44118

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 ggcctggct tcgagcagcc ttgcgttct aaatctgaaa atccaggttt gattgtttaa 120
 cacagacata aagactgggt attatgtttt ggtacatata aaagaatatg taatttaact 180
 tgaagaatat gaactagaaa taaaaaaga ttagctaatt agtagctatt taa 233

<210> 44119
 <211> 208
 <212> DNA
 <213> Glycine max

002250"CTT560

<223> Clone ID: 701043295H1

<400> 44119

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gttggatggc ggagaaatca tgcatacaagc gccttcagaa ggaatataga gccctttgtgta 120
aagagccagt ttctcatgtt gtggctcgtc cttctccaag tgatattctt gagtggcatt 180
atgtgttgga gggaagtga ggaacact 208

<210> 44120

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701043301H1

<400> 44120

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aacctagaa acccaataat ttgggggaac ctcaaccaa tcccagaaac caaaatcggc 120
ctcgcaattt aacgaaaccg aggaagagaa atctgggcac ccttcaaaat tcgagatttc 180
cccgacaaaa tgtcccaact gaagccaatg tcgcatatga cagtggccct tcgacc 236

<210> 44121

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701043302H1

<400> 44121

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acgcgtattg aaggtgatta caaggcaatt gtacagaacc gcaatccatt aatccctcct 120
atatttgga cagatgaatt tggctggtgt gtgagtggaa tccagctatg acgaagttaa 180
ctggatggaa gcgagaggag gtgattgaaa aactgcttgg ggaacttttt ttggaccccc 240
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<210> 44122

<211> 271

<212> DNA

0953113.032200

<213> Glycine max

<223> Clone ID: 701043303H1

<400> 44122

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tttgatatcta atgttgaaaa ccattttttg ctggaaggct ctttaatttg tagcactttt 180
ggagtccaaa gttccgacca aaaaaaaagt gaaagatata aaaaaaaagg gggggcgccc 240
cactaggggc ccactcgcc gcgaattttt t 271

<210> 44123

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043264H1

<400> 44123

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aattgaaatt tcttatccgt tttggcgaat tgaactgcgt gttcaattgg gttgttgaat 180
tcgaggcaga gggaaccgcg ggtgtacaag gaatttcgat tctgctgttg ttagaaacg 239

<210> 44124

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701043305H1

<400> 44124

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ttgtcttcag tgttctcttt gttggttctg agttgatcca ttgcagtgtc acctatgata 120
ggaaggccat tctcatcaat ggccaaaggg aatcctcatc tctggctcca ttcactaccc 180
cagaagcacc cctgaaatgt gggaggatct aattcggaag gcaaaagacg gaggccttga 240
tgtcatcgac acttatgtct tttggaatgt tcatga 276

<210> 44125
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043307H1

<400> 44125

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 aagtaaacia acaacactct cacattcacc acaacacaaa cacaacaca aacaaagaca 120
 acaaccttgt ttgtctgcaa tcaaaacctt caagctggcg ttcgagaacc aagacacccc 180
 tgtccgagaa atcaagccca agaaccggag aatcatgggt gctggaggcc ctgatgacga 240
 ggacaatagg tggccaccat ggctgaaacc tcttctcaaa 280

<210> 44126
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043308H1

<400> 44126

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 tatcgagggt gagggccctc gtggaaaact gtgcgagact tccaccatct gaacttggac 180
 ttccaactta ttaccgacga tggcggtaaa aggaagctca agattgattc ttggtttggt 240
 tctcgtaaaa cctccgcgcg catccgcacc gccctcagc 279

<210> 44127
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043222H1

<400> 44127

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 caaaacaatg aaagtacaat tcaccaagcg tccctatgca caaccttatg gtgtatatac 120

atgggttaacg gatattaaag acacctctaa agaaggatat agttttgaag 170

<210> 44128
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043223H1

<400> 44128

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 agatgggtaa ggaaaagggt cacatcagta ttgtgggtcat tggccatgtc gactctggga 120
 aatccactac cactggtcac ctgatttaca agcttggagg cattgacaag cgtgttattg 180
 agacgtttga gaaggaagct gctgaga 207

<210> 44129
 <211> 145
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043224H1

<400> 44129

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 ctttgttttc gccgctaacc atggc 145

<210> 44130
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043225H1

<400> 44130

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 ctccggaacg acttcgataa ctgttccaat ctccctttctc agctaaaggt gttacttaca 180
 ggtttcagaa gcctgccacc gttgtttgca gatacaccta atgcag 226

<210> 44131
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043228H1

<400> 44131

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 ttccatcaaa tctcttcaga tccgccaggt cctcaccag gctgtgagcc taggcatgat 120
 tgttacgtct gcactgataa tatggaaggc attgatgtgc gttactggca gtgaatctcc 180
 cgttgttggt gttctttctg gaagcatgga acccggtatc aagcggggag acatct 236

<210> 44132
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043229H1

<400> 44132

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 aacgtagcct tgaatactct gttcaaagca gctaccttga gagggatgag ttaccatgtc 180
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<210> 44133
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043231H1

<400> 44133

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 ggtgctggac tcaactggtg gcaggttgga gatctttag cttatgcagg tcaaccaatg 120
 ggttcatatg ctgaagagca gatacttcct gcaaataaag tagtcctgt tccttcgtca 180
 attgaccag ctgttgagc atccatcatt c 211

0953113.032200

<210> 44134
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701043232H1

<400> 44134

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aaattatcaa ggttttaggt accccaacaa gggaagaaat caagtgcag aatcctaatt 120
ataccgagtc caaatttcca caaattaaag ctcacccatg gcacaagatc tttcacaagc 180
gcttacctcc tgaggctgtg gatctcgtct caaggctact gcaatactct ccaaactctc 240
gatg 244

<210> 44135
<211> 198
<212> DNA
<213> Glycine max

<223> Clone ID: 701043233H1

<400> 44135

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gttggtggtg ttgttcgtcg gaggaggaag tgagtagact ccgtctaagg cttccaactg 120
ctcgaaacat cgataacaac aacaacgttg atgatgatga tggtatcctc aatgcggttc 180
cgtgttacgt tatagctg 198

<210> 44136
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701043234H1

<400> 44136

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actgcacttc tccaagctca ctacttcagt atctgggggg ttttcaggac tgattttcca 120
gaccgccctc catccccttt caactttact ggtgcgcccc taactgccaa tcttgccact 180

002220-ETFE60

ttaactggca ctagagttag caagattgct ttcaattcca cagtggagct agttttgca 239

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<223> Clone ID: 701043235H1

<400> 44137

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gtggtgactt ttgctccac tggcctgaca actgaagtta agtctgtgga gatgcaccat 180

gaagctctcc aggaggccct tccaggtgac aacgtaggat ttaatgtgaa gaatgtt 237

<210> 44138
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 701043236H1

<400> 44138

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ttcatgaatc tgggtggttat gggctctagag ggtatgcata tgactggaag agagaggaag 120

caaataaaaa ctttctgcga acccatacaa ctgctgtttc ctccaggatg ctttaccaat 180

tagcacagaa accatttgcc cccaaaaaaa tatttctcta tag 223

<210> 44139
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043238H1

<400> 44139

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ttatatctct ttggccagaa caatgacaga agttaaaaag tt 162

<210> 44140
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043240H1

<400> 44140

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 ggtttacagt ctttggggat tgattctctg gataagttcc gtgaaaagat accatatatg 120
 cgctctgagc tgaaagatga acagaaattc cgcgag 156

<210> 44141
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043242H1

<400> 44141

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 agtggacacc ggtccaatc ttttcacaac tatcactgtc aatgagcctg ctctgggtct 120
 caagactatt tttagcttta gagttcctga tcaaaggctt ggaaagggtg aagtccagta 180
 cttgcatgac tatgctggaa taagcaccag tgtgg 215

<210> 44142
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043245H1

<400> 44142

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 ttgcccttct tggagttgga catcaagat tatgacttag gccttcctta ccgtgatgag 180
 accgatgata aagttacaat tgaaagtgcg gaagaactct caagtataat gt 232

<210> 44143

002220"ETTES60

<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701043246H1

<400> 44143

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ttcgtttttc ctttcctttc cgccagaatc cgttgagaat ggcgttgccg gtagtcgtcg 120
atgcagagta cctcaaggag gtcgacaagg ctgcgcgca tctccgcgca ctcacgcta 180
acaggaactg cgctcctctc atgctccgat tagcctggca cgatgccgga acttacgat 239

<210> 44144
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: 701043247H1

<400> 44144

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atcttcgtca agaccctcac cggaagacc atcaccttga ggtggaaagc tctgcacatc 120
gacaagtcaa ggcagatcca gacagaagat cccggtagaa gctatctgcg gacagtcagc 180
gcgactgcgt a 191

<210> 44145
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701043249H1

<400> 44145

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gtttaccccc ttttgtctgc gcggtcgtgt ggatctggca agaaaacaag gaagggaggg 120
ttcattgcgg atctgaattc gcagtgttag ggctttgaag ggtttttcca ttttcttcaa 180
tggccacgcc ctttccatt cccgtcaccg cagctcaggt tggaacgtac ttcgtagga 239

<210> 44146

<211> 233
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043250H1

 <400> 44146

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 cgcgagagc accgcccga tggggcccta ttgggagacc attctgaggg attatctcga 180
 caagattatc agatgttttg gtgaaaatga ctcaactgtg cagaactctt gtt 233

<210> 44147
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043251H1

 <400> 44147

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 cgtcgtcct cgcgattttc aaattgggtga cccctctct gtcaaagtga acaagttatc 180
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<210> 44148
 <211> 168
 <212> DNA
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 <223> Clone ID: 701043252H1

 <400> 44148

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 acattagatc agactatgga tcgcccaca ctatcatcat tattttcatt cctactaaca 120
 cttcatctat cattatcagg ggtaatttca gcaacattca ctctagtt 168

<210> 44149
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 <212> DNA

002220"ETTF560

<213> Glycine max

<223> Clone ID: 701043253H1

<400> 44149

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cactggatct tctgggtggg acctttcatt ggtgctgcac ttgcagcact ctaccaccag 120
gtcgtaatca gggccattcc cttcaagtcc aagtgattca atcaaa 166

<210> 44150

<211> 171

<212> DNA

<213> Glycine max

<223> Clone ID: 701043221H1

<400> 44150

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cttctcaaca caaaatacac ccttctacat ggcgactcaa gctgagttcg aatatgaaga 120
ggcgagttaa gctgagatca aatatgatga ggaatacgta cagaattctc g 171

<210> 44151

<211> 166

<212> DNA

<213> Glycine max

<223> Clone ID: 701043254H1

<400> 44151

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acataccacc aatctctggc agccatgctt ccacaatata aaaatagcat ttctgtcagt 120
agcttacctc agtctgctgc tggtgcatct ggatatgggt tgggaa 166

<210> 44152

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<212> DNA

<213> Glycine max

<223> Clone ID: 701043255H1

<400> 44152

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 cttctatttg ctttcttggt agctgccact acagaatcaa gaaaagatac aggggaatat 120
 tggaaaatga tcatgaaaga tcaggaaatg ccagaaggac ttcaag 166

<210> 44153
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043257H1

<400> 44153

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 tcacattgat gaaccctacc aatgcaacc tctctcccca tttctatgat aaagtttgcc 120
 ctcaggcatt gccagttata aagtcagtgg ttcaacgagc aattatccgt gagcgacgca 180
 tcggagcatc tcttctgcgc ttgcatttcc atgattgttt cgtaaattggg t 231

<210> 44154
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043258H1

<400> 44154

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 accaaaaagat ggtgactgta agctatttgg cttctcactt atcagtggcc ctactttacc 180
 agagccttct ttatcacaaa gaaatgtgag tgaggctgct gatcagatgc atctt 235

<210> 44155
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043261H1

<400> 44155

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cgctgctttt gcttctgtag aagatgtctc tgcgagtgc gaaccctaac gccgaagtgc 120
 tgaacaaatc ggcggcactt cacatgaaca tcaatgccgc caagggtctg caagatgtcc 180
 tcaaaaccaa cctcgggtccc aaaggaacca tcaaaatgct cgttggtggt gccggt 236

<210> 44156
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043183H1

<400> 44156

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 accttctctt cctctcagtc tcagatcaga aacctccgcc agccatggca gcgttccaga 120
 agatcaaggt cgtcaacccc atcgtcgaga tggacggcga tgaaatgact agggttatct 180
 ggaagtcaat caaggacaag ctcatcttgc ccttcttga gttggacatc aag 233

<210> 44157
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 <213> Glycine max

<223> Clone ID: 701043184H1

<400> 44157

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 ccgccgtgtg gccggtggtg cggcgcttcg acaacccgca ggcctacaag cacttcgtaa 180
 agagcgacca ccgcctcagg aactaccggt ccgtcaccac gctccacggc gacgg 235

<210> 44158
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043186H1

<400> 44158

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09531113.032200

ttgctgtttt cgtagtcttc tctcttctcc tgattgccaa cttgagctgt gcaaggaaag 120
 acctgggatg gtattggaag aatgtgatca aggagcaacc tatgccacaa gcaattaaag 180
 accttggtga ggattcacaa gcatcagctg cagggaagaa ggatcgttt 229

<210> 44159
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043188H1

<400> 44159

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 tgggtctcaa cttgaaagaa ccactagctg tgggtgaagga ggagatgaac aatgatggct 120
 gcaaaaactc tggcttcaaa aaaggctcgga ttgcacagtg gccattctcg aacaaagtat 180
 ctgcccttcc acatttgatg tctttcaagg ctactcaaga tgataagact aag 233

<210> 44160
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043189H1

<400> 44160

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 tgacaattgg cgtgagcgac atctgtagct tttatgtcca cggaggaatc aatgcacctg 120
 tttttggtgg gtcttggtcg tcttcaactg gaaactatta cctactttgg tcagatcact 180
 ggggctaacc ctacaattcc tggaatgttt ccaaatatgt ttccgttggc ta 232

<210> 44161
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043190H1

<400> 44161

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09531113-032200

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atgataaagc agtgtttggg gggagtagtt atgcatgaac aatgatattt ggttggttaa 180
ttgacttgcc cacataagta gcaccttcat tggtcacaca gtatatatga ccaca 235

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<211> 239
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<213> Glycine max

<223> Clone ID: 701043191H1

<400> 44162

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tgggagaaga gaagaagaag aagaagaaga tgggacagga tcagaaccag agatcgctga 180
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043192H1

<400> 44163

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tttcccgaga aaattttagt ttccattttc atgtctccct cagattcccg gaaaatatat 180
tcacaacatt aatttcgcac gtcggcctct gccaaactatc aagctccggc ttcct 235

<210> 44164
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701043193H1

<400> 44164

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002250.ET.ES60

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tagccacgat atcatcacca tcgccacctt ctaggtggga tccagggtca ac 232

<210> 44165
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701043195H1

<400> 44165

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ataagcctca atttcacaac caaaaatgca aagttcaatc tcacaatctg agatttgcatt 180
cactgattac cttctacccc aagaagttcc atctcaattt caatttccag atatga 236

<210> 44166
<211> 108
<212> DNA
<213> Glycine max

<223> Clone ID: 701043196H1

<400> 44166

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agcctactag agtcttcaaa atatgaccat gcatcgcgag tcttgggc 108

<210> 44167
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 701043201H1

<400> 44167

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ttatgcttta aaattctgaa actcacagtt tcaggcaaatt tttagcctaa agatctgtgc 120
gttgaccctt ggcaggttca gcttttggag ggggttgaggt ggttcttcca cataagcca 179

<210> 44168
 <211> 226
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043202H1

 <400> 44168

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 ccaagggttg gacagtgtta cgtgcttcac gaaacatgac ctctgctcac gaccttactg 180
 ataatgaaga tgatggacag cagcagtcag aatcacaat tcagtc 226

<210> 44169
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043203H1

 <400> 44169

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 caaccccgct actgaagaca tcatagggca tattccagcc gctactaagg aagatgttga 180
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043204H1

 <400> 44170

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 gctactgctc ctgacgatct aatctttgtg gttattgaaa aacacatgct ttgttcaaga 180
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<210> 44171
 <211> 153
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043205H1

 <400> 44171

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 ataccctctg acaactgatt ccgcaatgag gag 153

<210> 44172
 <211> 168
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043206H1

 <400> 44172

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 ccactgtcaa agcggtttcg tcgaagagat ccgtgccggc gccggagc 168

<210> 44173
 <211> 168
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043207H1

 <400> 44173

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 aaaccattt tcccgggaaa ttgccttgga aaagaaagag cgaagaggaa aatgcagaat 120
 cacaggctga agcagcagca gcagcagcaa caacaagctc ttatgcag 168

<210> 44174
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043208H1

<400> 44174

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aaggtgctcc cgaactcggc gaatatggag gaagcgcgct accgagtctt cgaattcttc 120
agaacggcct gcagatcgct accctccgtt atggaaatct acaacctcta 170

<210> 44175

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 701043209H1

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tcactgttag caacaaggct tataggtgac gttgcagaag atggactgaa aaaatgaaaa 120
actatttctt agattctgaa acttaaaagt gtgtt 155

<210> 44176

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701043210H1

<400> 44176

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gggccagcaa tctaattcttg cgaattcagt tagatggctc caaactccga gctccagtaa 120
cactgatctt tattctgagt tgaaggaact agttccagag tatcaggaac gtgttaagaa 180
gctgaagaaa gatcatggaa gtgttgaatt gggaaaaaatt actgttgata tggt 234

<210> 44177

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701043211H1

<400> 44177

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 gttccactcc cttcccctat gtttttttct tctcttggcc ttcaacacaa aacccctcct 120
 agcagcagaa ccagagccag tgggtgataa gcaagggaa cctttggagc caggagtagg 180
 gtactacgtg tggccacttt gggctgatga aggaggcctc acactaggcc aaacaaggaa 240

<210> 44178
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043214H1

<400> 44178

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 gaccaggggt cgtcccggcc tggcccgatt tggacaaat ttggagtttt gtcgcccggc 180
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 ct 242

<210> 44179
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043215H1

<400> 44179

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 gatcatgtgt ggagctctta cgcgggttcc gctagctccg tcatcaaccc ttccaaggtc 180
 aaacagattt cctggaagcc aagagctttc gtttatgaag gtttcctc 228

<210> 44180
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043216H1

<400> 44180

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cttgccctttt tttctgcttt tgatttgact ctttacaat acaataaat aataaatcc 120
catcaagaag aaataaatat caagcccaac ccagtgcagt gctgcagga ctgtcactga 180
actcaaaaat gaactgtctt cggaatcttt ctcgattctc tgttttgccc gaaacacctg 240
ttacgc 246

<210> 44181

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 701043217H1

<400> 44181

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tgatgacata tgttcacaag ttggtttatg ttcttccaaa aggcataaat ctaagagtgc 120
tggaattgaa atgggtgactg aaaaggagca gggagagttg acggcaagag ataatccttt 180
gtgttcttct tgtcagatgc ttgttctttg gatccagaat caactaaaac aaa 233

<210> 44182

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 701043218H1

<400> 44182

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acaatctttg tctgccat 78

<210> 44183

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701043219H1

<400> 44183

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gcgaatcaat cagccacgc caagccaagc caaagccaca atttcaccta tccaattatt 120
cacgacatgt aacaaaacga caatcacttt cgtcgttcgc caaattcgat tgcagagttc 180
ggccatggcg ctccgaaacg acggaagaaa aatttccttc gaggttctca gcgtcgag 238

<210> 44184
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701043220H1

<400> 44184

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tgaagacttt gacatcgcca ctgtgtcttc tcatcttgaa gatgaacatt cttgtgaatc 120
aagactcacg atttgccta tatgcgcctg t 151

<210> 44185
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701043143H1

<400> 44185

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cgtgtcactc atttattgac ttcaaaatag atgagtgaca cgttgggtctt atccattttg 120
aagtcaataa atccattttg gcttcatta t 151

<210> 44186
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043145H1

<400> 44186

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tccatcagtt gttcagaagc tagcttgaca gtcgtacctg gtgtccaggc ttagccccaa 120

ctttaactct aggaattatt ctgcaactgg tgcttacgtc catggcggaa tgcactcgcc 180
 tgggttggct gttgtgtcac ctggatctcc agttactgtt catgctccag cagagaaagg 240

<210> 44187
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043147H1

<400> 44187

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 tgggaaatct acaacccttg ataatgagggc ttataagctt gcaccatgtg cctcagcagc 180
 acaagatgag aatgctagtg tttctcagag ttgctgtgct caggtgaaga aaattgg 237

<210> 44188
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<223> Clone ID: 701043150H1

<400> 44188

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 ccatgaatcc cgaatacgat tatttgttca agcttttctg gattggagat tctggtgtag 180
 gcaagtcatg tcttctcctg aggtttgctg atgattcata ccttgacagc tatatcag 238

<210> 44189
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043151H1

<400> 44189

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gtcgactctg ggaagtcaac taccactggc catttgatct acaagcttgg aggtattgac 180
 aagcgtgtga ttgagagggt cgagaaggag gctgctgaga tgaacaagag gtcac 235

<210> 44190
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043152H1

<400> 44190

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 tcaaggaaac tgcgctatga tctctattcc tattcataca aagaagactc caacacccca 180
 ttagtataa atgttctggc ttcaactcatt gagaggagca tggctagaac acaaagg 237

<210> 44191
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043153H1

<400> 44191

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<210> 44192
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<223> Clone ID: 701043154H1

<400> 44192

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 aaaacccaat caacagatca agttcctcct atcttttatg gtgataagaa aaccaatca 180

acagatgaag ttcctcctat cttttatggg gctaagaaaa ctcaatcaat ag 232

<210> 44193
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<400> 44193

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gtattcattg ctatctatgg ttatttttta tttattttta aattttgcct tataagtatc 180
tcttttcagc caggggtagg aactgcctac actatctgta gttttatata aa 232

<210> 44194
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<212> DNA
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<223> Clone ID: 701043156H1

<400> 44194

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tctgatggga tcatggtggc tcggggtgac cttggtgtcg aaataccact tgaacagatt 180
cctacagtcc aagaggatat aatttacgta tgcagacaat taaacaagcc agtgatt 237

<210> 44195
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043157H1

<400> 44195

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tctgcagctc aatggagcag tactaattca agaggaatga caaaagatgt actcaaagac 120
aagttctatg acaagactaa agcttcacga aggtctccac ccaaagaaag ttacatggct 180

tcaagaaggt ctccacccaa agaaagtaac atgggtccac caaggtctcc accaaaaga 239

<210> 44196
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<212> DNA
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<223> Clone ID: 701043158H1

<400> 44196

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taaagaatgt cattatctgg ggcaatcact catcaacca atatcctgat gttaaccatg 180
caactgttgg ggagaagccc gtccgcgagc ttatagctga tgatgcctgg ttgaatggtg 240

<210> 44197
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<213> Glycine max

<223> Clone ID: 701043161H1

<400> 44197

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tgaacttctt cacaactttg ggatttgaat taacgagaga accagcaaaa ctgggggaaag 180
attttggaca tttctgatcc ggggttttgca tctttccatc atcatcacca tttactttt 239

<210> 44198
<211> 237
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<213> Glycine max

<223> Clone ID: 701043162H1

<400> 44198

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ccaatcggcc tcagcagacg acgtcgttgt gctctctgaa gataacttcg agaaggaagt 120
tggtcaggac agaggagctc tcgttgagtt ctatgctcct tgggtgtggac actgcaaaaa 180

gcttgctcca gaatatgaaa agcttggttag cagcttcaag acagccaaat ctgtttt 237

<210> 44199
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<223> Clone ID: 701043163H1

<400> 44199

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tttggttccca attcagtcca caatttactt tttccacttt cccctaacct cccactcgga 180
actcgtcgtt acctatcgat aatgaatttg gggttacctc gctcacatcc atcgggtgt 238

<210> 44200
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701043167H1

<400> 44200

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aaatcagacc atgaaaagcg tagaggtggc caagacggtg ctcgaggtcg ccgacgtggc 180
ttggaccgcc gtcgaacaca cccaccatta ccgccaccgc tgcagtcata ccgtcg 236

<210> 44201
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043168H1

<400> 44201

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ttcagttctga attcgggtcta atgggttggg agttctaatt aagtctaagg aacagaattc 120
tgtacatata tatatttaga agatcacagg gtgcttgatc agtggtgtat caggatggac 180

aagggtgacga gggttggttc tgaaaagggg gtggtgattt tcacaaagag c 231

<210> 44202
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043169H1

<400> 44202

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gttaggggta cttaccgttc tccagaacgt tcttccatcg cagcttctct ccttgcttca 120
ttctctatac gaatctctgc aagatctact ttctccgtat tcgtatttcg agattcctga 180
attcaacggc tactgcgggc tcgaactcaa cgacctctac cgtcatgtgc acc 233

<210> 44203
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701043170H1

<400> 44203

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gatacttctt atggtgttcc ttgcaatcgt tgggatgctg ttagctgggt tctttgggta 180
ccatgcta at ctttgcctta ccaacactac cactaatgag acttttaagt g 231

<210> 44204
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043171H1

<400> 44204

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gatactcgtc aatcagagct cgaacgcttg ttcgcaaagt atggaaggat tgaccgcgtg 120
gaactgaaat ctgggttttgc ttttgtctat catgaggatg agcgtgatgc agaagaagca 180

cattcgtgca cttgacaatg ttccatttgg t

211

<210> 44205
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701043173H1

<400> 44205

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aatagaacta agagggtata gacatggcta acgcaattgc agcttcttca taggttctgc 120

ttctggcttt cccactgta tatggagctg accatgaagt tggtgacact agtggatggg 180

ccctcggagt taattataac acctgagcct ctgggaaaac tttcacagtt ggtgac 236

<210> 44206
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043174H1

<400> 44206

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aatggcaagt acaagagtgt gatgcaccga gtgattgtc aaaccgatgg taccagaatg 120

tccatagctt ctttctacaa ccctggtgat gatgctgtca tttctcctgc accagccttg 180

gtgaaggaat tagatgagac aagccaagtg taccctaaaat ttgtgtttga tgattac 237

<210> 44207
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043176H1

<400> 44207

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acaggcaact gagtgtgggt caccctatct acaaacttct gtttcctcac taccgtgaca 180

ccatgaatat taattcactt gcccgaaag ccctggtcaa tgcagatggt attatagaga 240

<210> 44208
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043177H1

<400> 44208

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aaacatgcag atacttcgcg aaaactttga ccggttaagac catcaccctt gaggtggagt 120

cctccgacac catcgataac gtgacagcta agattcaaga caaggacggg atccccacctg 180

accagcagac acttatcttt ccgggtacac agcttgccgc tggtcgaacc cttgccgact 240

a 241

<210> 44209
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043180H1

<400> 44209

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attggggatg catcacagag gttgggtcat tactttgcc aatggcctcga ggcacgcttg 120

gttggggatg gtacaagtac ccaaggaatg tatacttttc tgagctctaa gaacaacact 180

ttttctgagt tactcaaggc ataccaggtt ttcagttcct ccagcccttt caagaagttt 240

g 241

<210> 44210
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701043142H1

<400> 44210

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catgaagcct tctgcaagga gttcatagat tttctcttct tagaataatc aattagaacc 120
accttgaagt tgagacaaga gtaattgcag ccttatttta attagacaat atcaggacaa 180
atcactattc aagagatatg atgatcacta tggatgtaca aggtataaga tgggttg 237

<210> 44211
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043110H1

<400> 44211

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acattgaaaa agacttccat ttcttctcga aggtctggta ctgccacttt ccctagtcct 120
ggtacactca attatcgct tgcaatgcac aagggatgga gtcctcgagcg agttcccttg 180
catgcagggtg ctaccggaa gcacgttttg ccgttcaaca atgggaaaac attgccgtca 240
a 241

<210> 44212
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043114H1

<400> 44212

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gtgctttccc tagttgtctt agattccctc cactgatcgc aatttcaaca acaccctctt 120
cgatccgctt tctaaattct ccaccctcc gttccactgc ttctgtgaat ttccattcaa 180
catctctctc tccaatcttc aatcttcaat cttcaatcgc gactattcta acataatag 240
att 243

<210> 44213
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701043116H1

<400> 44213

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gtcgtgtctt tcaaattggcg aacgtttgat tctctgttc aatcgggtt tgggtggagaa 120
aatcgtgcct ccatcgaaga ccaccgctgg cattttgtta cccgagaaat ccaccaagct 180
gaattccgga aaagtatttg ctgttgcccc tggctttcac agtaaggatg ggaagctaata 240
tcttg 245

<210> 44214

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043117H1

<400> 44214

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gaggtgtatc cactgttcgc tgcggttggg gctgctgttg ggatctgttg attccaactg 120
gttcgtaata tctgcatcaa ccctgaagtc aggggtgaaca aggagggaag gaaggcagga 180
gttttgagaa actttgctga gggagagaag tatgccgagc acttcctgag gaagtatgt 239

<210> 44215

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701043118H1

<400> 44215

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gagcttgctt tcagtgtgtt tctgatccc aagccaaga aggattgggt cattttgtcc 120
cttaggggtg tcgcattttt tgccacagca tctgctacac ttgttatggc attcaacaaa 180
caaaccaaag gcattgtagt tgctaccatt ggcaccaacc cagtaacaat tactcttact 240
g 241

<210> 44216

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701043119H1

<400> 44216

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 tgggtgtcaag gctaaagaag ctatgaataa gggagaactt gtttctgatg acttggttgt 180
 tggcattata gatgaagcaa tgaaaaaacc ttcatgtcag aaaggtttca ttcttgatgg 240

<210> 44217

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701043120H1

<400> 44217

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 atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
 aggctactca ccccgacacg ttgaaggcgg gggttggtga gttcatctcc accttgatct 180
 tcgtgttcgc cgggttcaggt tccggcatcg cctacaacaa gtcaccgac aacggcgccg 240
 c 241

<210> 44218

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043121H1

<400> 44218

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 cccagttcgc gttctcgtca ctggagccgc aggcaaattg gatatgctct tgccctatg 120
 attgctaggg gagtgatgct gggtcctgac cagcccgtga tcctccacat gcttgacatt 180
 cctccagcag tagagtcgtt gaatgggggtt aaaatggaat tgggtggatgc tgcattccc 239

<210> 44219

<211> 132
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043123H1

<400> 44219

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 tcgtagcggc tt 132

<210> 44220
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043124H1

<400> 44220

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 gaaaattgat ccaaagcacc tagtggaggt tggagtagaa ggattttatg gctcatcaac 120
 acctcagaga actcagttca atcccaacac atatgctaca caggttgga ctgattttat 180
 cagaaaccac ctggttcttg gagtggactt cgcttctggt cacatatatg ctgact 236

<210> 44221
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043125H1

<400> 44221

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 catcagaaga aagcgataaa agcaaaaatg caatctatgt ccctgacgct gagcaagagg 120
 ctctccaatt caaagcctct cttcagaatc tcttccaacc tcgtcgctca cgcacacctc 180
 gccacaacct ctccgcccgc accttcgccg ccagtcacct ctccatccgc cctcaacagc 240
 ctc 243

<210> 44222

<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043126H1

<400> 44222

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ccattggcaa acatggcaac tcaaatgagc aagaagagaa agtttggtgc ggacggagtg 120
ttctttgccg aactgaacga ggttctgaca cgtgaattgg cggaggacgg ttactccggc 180
gtggaagtta gggttacgcc gatgcgacc gagatcatca tcagagccac cagaacccaa 240
gct 243

<210> 44223
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701043127H1

<400> 44223

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gatgaatcaa tgctagatag gcttggactt cttccacaac gcaaacagca tcagaaacag 120
ttattgcaag ctttgggttg tgaggcgtca ggtgaagagc aacttttttc ttctgaaaat 180
agcttgatga gggatggcag tggatgtgag cctggtgtct atcttgaaaa gatcaaggag 240
cagt 244

<210> 44224
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701043128H1

<400> 44224

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gagaaaaccg atattcgac tttaccgcac ccagcgactc cgcgtggttt tggcgaaaac 120
ttctagaaca ttcttccatg gaggttatca gggttctagc ggcggcgatc gtggtagcgg 180

tgcttgccgc ggctcttccg gcggacgccg acgacgacaa ccgagtattc gcgccgtgca 240
cggac 245

<210> 44225
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043129H1

<400> 44225

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gtattttctg cgataatttt ccattgggtg gaagaaagtc tcaaccttta ttcgaaagag 120
caaggatctg agttgagttg agtgatcatg tgtggtggtg cgattatctc cgacttcata 180
ccggcaggtc ccgccagcgg ggcgcggcgc gtgaccgccg acatcctgtg gccgagtttg 240
agg 243

<210> 44226
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043130H1

<400> 44226

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atcaccgttg attgaagaag atgccgatca gaaacatcgc catcggaagg cctgaagagg 120
ctactacccc cgacacgttg aaggcggggt tggctgagtt catctccacc ttgatcttcg 180
tgttcgccgg ttcaggttcc ggcacgcct acaacaagct caccgacaac ggcgccgcca 240
ctc 243

<210> 44227
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043131H1

<400> 44227

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aaagcgaact gctcgttaagt caactggagg aaaagctccc aggaagcagc ttgcaaccaa 120
ggctgcacgt aagtctgcac caacaactgg tgggtgtgaag aagcctcatc gttatcgccc 180
tggaactggt gctcttcgtg agattaggaa ataccagaag agcactgagc tccaatcag 240
g 241

<210> 44228
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701043132H1

<400> 44228

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gcacagaaat tctcagagag gcaagcattg gggacaggag ctcagggtga caaggactac 120
aaggaggcac caccagcacc cttgtttgag ccaggggagt taaagtcagc gtcttttttac 180
agagctggga ttgcagagtt tgtggccaca ttcttgttcc tctacatcac tgtcttgact 240
gtca 244

<210> 44229
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043133H1

<400> 44229

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cacagtgggtg tgggtgcgcgg tggcggtgct attatgcgcc gcggccggtg cgtcgtgggt 120
ggaggaggcg gcgaacccga tacgaatggt gtctggcgtg gaggcggagg tggttcgggt 180
gatcggggag tgccggcgtg cggtgaagtt tgctaggttc gtgagcaggt tcgggaagag 240
t 241

<210> 44230
<211> 241
<212> DNA

<213> Glycine max

<223> Clone ID: 701043134H1

<400> 44230

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gcacttattt ccactgtttag ctataagttc ctatggtaca atttggccta tagctacatg 120
ggtgcaccaa gctcatttgg gcgatttggc tgagccacct ctccagctgc aacggcagct 180
tgccttcggt gcctctcacg tagatacagc acagttaaga ggcatacaaa gagggtcaga 240
a 241

<210> 44231

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701043136H1

<400> 44231

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aaaagaaaac tgacacaagt gaggcttggg gcataaacag caatggcaga aaaaccccaa 120
ccggttcggg ttctctactg cggcgtgtgc agtttgcccc ccgaatactg cgaattcgga 180
tccgatttcg agaaatgcaa accctgggtg atccaaaacg tccctgacct ataccctg 238

<210> 44232

<211> 174

<212> DNA

<213> Glycine max

<223> Clone ID: 701043137H1

<400> 44232

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ggttccttat cccccaactt tattgcttcc tcacgcgtct ttatcttttt ttcttttcgt 120
tgatccaacc ttttccacta aagcttcgat tttttgcttt ttatttgtgt tttta 174

<210> 44233

<211> 236

<212> DNA

002200"ETTES60

<213> Glycine max

<223> Clone ID: 701043138H1

<400> 44233

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ggctgacatg cegttgccgg cgctctttga gcaagccgc aagatccacg ccgcagccac 120
cgattccggc gccgaccagg aggttggtgaa gaaggggtgc gaggctctgc atagatgcga 180
ggacatgggc aataatctag gtttgttctc toccaacgag accaaagaag atatca 236

<210> 44234

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701043139H1

<400> 44234

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ggcctgcaag gtgttatcgg cagataaaaa acaagccata ccccaaatca cgcttttgcc 120
gtggtgttcc tgatcctaag atcagaatct atgatgttgg tatgaagaag aaaggtgttg 180
atgagtttcc cttctgtgtt catctgggta gctgggaaaa agaaaatgtt tcaagtgaag 240
cattggaag 249

<210> 44235

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701043140H1

<400> 44235

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agttacgtga cctacttagt caccacgaag acgaacattc cggaattcgg cgctccggg 120
tcatgttcgc tgtccggcgg cggttccgtg acgtggtgac gctctctgat cggctcgcag 180
aggcgtaacg cgggtttttc atcccgctcg cggcggacaa gagcgtggtg gaga 234

<210> 44236

002220"ETTE560

<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043141H1

<400> 44236

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gcttcagagt gatgctctta gagaagctat ctcaggaatc atgactgatt ccaaggaaaa 120
gaacaggaaa tttgtggaga ccattgaact ccaaattggg ctgaaaaact atgatcccca 180
gaaggacaag cgttttagtg gctctgttaa gttgcctcac attcctcgcc ccaagatgaa 240

<210> 44237
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701043108H1

<400> 44237

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tgatcgattg cgcaagcgg tggaggataa aattatggac attgcttctc tggagaagtt 120
ccttcaggag aggattaagg ttggcggcaa ggccggtgca ctccggcgatt ccattactgt 180
cactatggac aagagcaaga tcaccgtcac ctccgacagc aacttctcta aacggtat 238

<210> 44238
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: 701043053H1

<400> 44238

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attggcttct caaatccatg tttcctctgg gaaactagtc cctggactat catggaatta 120
ctatttgttg acatgtccca agcttgagag gattataagg aagcatcttg aggatgtctt 180
c 181

<210> 44239

002220"ETFE60

<211> 183
<212> DNA
<213> Glycine max

<223> Clone ID: 701043054H1

<400> 44239

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ctcttggtcaa taaagtgaat cgcacagag aaattcaatt caatggatgc aaatcgcgag 120
caaattgtgg acgttgggtc ggtggtggaa gccgtttctg ctgacgacgg tgacgctcct 180
ctc 183

<210> 44240
<211> 184
<212> DNA
<213> Glycine max

<223> Clone ID: 701043056H1

<400> 44240

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tgcaacaag gatgcaaag gaagtctcct agagaaaaat ccttcagttg tttttgtgtt 120
aggtggccca ggaagtggaa agggtagcca atgtgcaaatt attgtccaaa attttgggta 180
tact 184

<210> 44241
<211> 182
<212> DNA
<213> Glycine max

<223> Clone ID: 701043057H1

<400> 44241

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gagagaggat ctgatctgga gtatgttgct gatgataatg aaatggcgga agtagaagat 120
gacatgtatt tccgtggtag agtgtttggt gattcagagt ccgaatcaga tgacgatgat 180
ga 182

<210> 44242

<211> 182
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043058H1

<400> 44242

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 agttcgtcgt cgatcggaac ccctgatgac agcgacaacg aggaggagga agaagtgcag 120
 agccagttaa agatacgaac tgggttggtg tctttggatg ctttggaaga atctcttccc 180
 at 182

<210> 44243
 <211> 184
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043059H1

<400> 44243

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 tttgctaaaa gtagcaattg atgtttccaa gggaatgaac tatttgcacc aaaataatat 120
 aattcacagg gacctcaaga ctgccaatct tctgatggat gaaaatgaag tgggtcaagg 180
 tgct 184

<210> 44244
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043060H1

<400> 44244

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 attgaaaagc gaatttgaat gtcttcctgc ctacatgaag ggactaacat catgggagga 120
 tctagtcgtg gctgttgata agattaattc aagcctaagc aagaagacca atggatgcag 180
 cta 183

<210> 44245

002220"ETTES60

<211> 184
<212> DNA
<213> Glycine max

<223> Clone ID: 701043061H1

<400> 44245

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aaccagcaaa cgagacgagg actgagataa gatgggggttg tcgttcacga agctgttcag 120
caggttggtt gcgaagaagg aaatcaggat tctgatggta ggtctcgatg ctgctggtaa 180
gaca 184

<210> 44246
<211> 186
<212> DNA
<213> Glycine max

<223> Clone ID: 701043063H1

<400> 44246

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catttcgccc ctgccccgaa agtcaacgtc tttgtgaact tcagggcgag gaggcacgtt 120
ggggtgcgag tttcgaacgc gctgatcgaa ccagatggag ggaagctcgt ggagcttggt 180
gtgacg 186

<210> 44247
<211> 187
<212> DNA
<213> Glycine max

<223> Clone ID: 701043064H1

<400> 44247

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ttcgcgagaa ccaagagggt ctcattgact actcttctgc ttcttctgga gctattcaca 120
atagtccttc acacggcaga tgctcaaatt ggtgtttggt atggtatgat gggcaacaat 180
ctaccac 187

<210> 44248

<211> 184
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043067H1

<400> 44248

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 cgcaagaaa atcgagcacg aagggtgaaag cttcaaccga tgcgaacacg aacctgagca 120
 tgctcaacga ggaccttctc cagaacattc tagcgaggct tcttgctctg catttcgctt 180
 ccgc 184

<210> 44249
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043068H1

<400> 44249

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 ttgctcttgc aggagagagc catgtccatg catcgctacc tgaggaagat tattgggaag 120
 ctgtttggcc aaacactccc attcccactg cactgcgaga gcttctaaag cctctccctg 180
 cag 183

<210> 44250
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043069H1

<400> 44250

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 actgctacac actagaagaa tcatggaagg tctcaagagc ctcttcttag ccatttttgt 120
 tgtcttggtt tccgcattgt attcagccaa tgccaaaatc caggagcatg aatttgttat 180
 tca 183

<210> 44251

<211> 182
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043070H1

<400> 44251

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 gcgtctcttc ctcttctctt tcgattcatc cctcattcat aatcttccaa tccaacaacc 120
 tcagcctcac actcacacat acacacatct gaacgcgtat cgtccctccc atggcttcaa 180
 ag 182

<210> 44252
 <211> 179
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043071H1

<400> 44252

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 tgtgaatgcg cttctgtgcg gtttcgattc agatccagat tcatggggat ttgcttcagc 120
 attgaagacc caaacaacgt ctccatctcc gattcgaacg ccaagcctaa taaacctgc 179

<210> 44253
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043072H1

<400> 44253

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 aaaaaaaacg ggatttgttt tgctgggttg ggttggtgta attgtgaaat gcgggtgacg 120
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 aga 183

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<223> Clone ID: 701043074H1

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<223> Clone ID: 701043075H1

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tccgtcgccg gattcatcgg cgtcgcggcg agatcctccg ccaaatecag gcttcgctt 179

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<212> DNA

<213> Glycine max

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gcttcgtgaa ctcaacatgt cttttgtcaa agagtatatt gctgaaagca agcctcttgg 120

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<213> Glycine max

<223> Clone ID: 701043077H1

<400> 44257

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<213> Glycine max

<223> Clone ID: 701043079H1

<400> 44258

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<213> Glycine max

<223> Clone ID: 701043080H1

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<211> 180

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<223> Clone ID: 701043085H1

<400> 44261

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<223> Clone ID: 701043088H1

<400> 44262

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accagaggaa ccgttctgcc aacaggcgca aatcatctga tcggcttgat cggacaaaca 180
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<212> DNA

<213> Glycine max

<223> Clone ID: 701043090H1

<400> 44263

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<211> 181
<212> DNA
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<223> Clone ID: 701043091H1

<400> 44264

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gaccagttcg acttaaatga ctccgcattc agccacctcc tcaattccat catggatcct 180
a 181

<210> 44265
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<223> Clone ID: 701043092H1

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ccactaagga tgatgttctt tcccaacaaa atgttccaat caaaacctct actaggggtg 180
a 181

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<212> DNA
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<223> Clone ID: 701043094H1

<400> 44266

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<223> Clone ID: 701043096H1

<400> 44267

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gttgaattga attcgtgatg aagagggacc acaaagatag ctgcggcggc ggcggcg 177

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<223> Clone ID: 701043105H1

<400> 44268

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tgtcagaaag tatgcaagag gctatgcac gttcaaattt ggacatgagt ggtgcagagt 180

tcgtaagaca agaaattccc ctatatgttt tgccagcctt gtctttaatc aaccttgatt 240

cac 243

<210> 44269
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<223> Clone ID: 701043051H1

<400> 44269

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tccaaattta ccaccagggc cttggaagat acctatcata gggaacatac acaacgttgt 180

tggt

185

<210> 44270
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<212> DNA
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<223> Clone ID: 701043107H1

<400> 44270

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atgaactccc aggtatcgct caaagcagga ttcaaaagga cgacgcgtcg ttttcggcct 180
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cc 242

<210> 44271
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<213> Glycine max

<223> Clone ID: 701043003H1

<400> 44271

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gcagcacctc gacaccgact caggcaaaca agtcactaac aaaattggac tcgtttatca 180
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<210> 44272
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<400> 44272

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gctgcaagcc cacagcagct ggtgattctg aatcacttgg accacacggt gtttcctctg 180
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<210> 44273
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<223> Clone ID: 701043005H1

<400> 44273

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gacatgtcga ctctgggaag tcaactacca ctggtcattt gatctacaag cttggaggta 180
ttgacaagcg t 191

<210> 44274
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<223> Clone ID: 701043006H1

<400> 44274

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gatggactgt 190

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<400> 44275

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agagacccag tactttctgc atccaaacca atcactactg cggataactg gtaagttcat 180
aaaggggag 189

<210> 44276
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<223> Clone ID: 701043011H1

<400> 44276

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attgtgaa 188

<210> 44277
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<223> Clone ID: 701043012H1

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tgaaatcttc atttcatttc attgcatgct tatagtcac gtgggatgtg tgtgtgtttt 180
agatttgg 188

<210> 44278
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<223> Clone ID: 701043013H1

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ggttgacagt gctgggatcc ctcttgagga tttggagttt gtacaatttc acccaaccgg 180
tatatatgg 189

<210> 44279
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<223> Clone ID: 701043017H1

<400> 44279

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gtccatgtac gagcagtggc tcgtgaagca cgggaagggtg tacaacgcgc tcggcgagaa 180
ggagaagcgc ttc 193

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<223> Clone ID: 701043020H1

<400> 44280

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<223> Clone ID: 701043021H1

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tggaatcaat gctgataagt gaaatgttgc tgtggccatg acacttggtt accactcctt 180
acctgct 187

<210> 44285
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<223> Clone ID: 701043025H1

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tctacaacac tgggtgcttg tgctgggtta agtccaacgc caatctgaag cagcaagtgg 180
gtttggc 187

<210> 44286
<211> 186
<212> DNA
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<223> Clone ID: 701043028H1

<400> 44286

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caccatgaat cccgaatacg attatttggt caagcttttg ctgattggag attctggtgt 180
aggcaa 186

<210> 44287
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<223> Clone ID: 701043029H1

<400> 44287

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tcactgggtga aggggggtgtt tcattggcta tgtacaatac tgatgagtct attcggttctt 180
 ttgctga 187

<210> 44288
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<223> Clone ID: 701043031H1

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 aaaacaagta gtcatcacat gcccacagca atgacagagt cagggccaag tgtgagtttg 180
 aagcttctt 189

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<223> Clone ID: 701043032H1

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<223> Clone ID: 701043033H1

<400> 44290

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0053113 032200

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ac 182

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<212> DNA
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<223> Clone ID: 701043041H1

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taagg 185

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<223> Clone ID: 701043042H1

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<212> DNA
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<223> Clone ID: 701043043H1

<400> 44299

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gcctc

185

<210> 44300
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 <212> DNA
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<223> Clone ID: 701043048H1

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<223> Clone ID: 701043049H1

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 aacgac 186

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<223> Clone ID: 701043050H1

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186

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<400> 44305

17755

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197

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<212> DNA
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<223> Clone ID: 701042956H1

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cacattggat cactctaact ttcacgacac tgtcagcaag cacgatttca tcgtcgtcga 180
gttctacgct ccatgg 196

<210> 44307
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<212> DNA
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<223> Clone ID: 701042957H1

<400> 44307





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ccttccgaat tcc 193

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<223> Clone ID: 701042958H1

<400> 44308

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<400> 44309

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cagaaccatg cca 193

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<223> Clone ID: 701042964H1

<400> 44311

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198

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<223> Clone ID: 701042965H1

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tgttgaggaa ctgcaaaggc ggttgccctca attgagtgcc accggtcttc aacagcaagg 180
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<210> 44313
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<223> Clone ID: 701042966H1

<400> 44313

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ggtctcagcc ctg 193

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<223> Clone ID: 701042967H1

<400> 44314

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tttccccgtg agg

193

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<223> Clone ID: 701042968H1

<400> 44315

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gagttgaata caaatatgtc gaagaaaatt tgaggaacaa gagtgaactg cttctcaaat 180
ccaaccagt tca 193

<210> 44316
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<212> DNA
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<223> Clone ID: 701042971H1

<400> 44316

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ctctcccaaa 190

<210> 44317
<211> 192
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<213> Glycine max

<223> Clone ID: 701042974H1

<400> 44317

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192

<210> 44318
 <211> 191
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<223> Clone ID: 701042975H1

<400> 44318

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 aaaaatctga aattcaattt cagttgaaag caaatgggga atcttttttg ttgtgtgaaa 120
 gttgatcaat ctacggtggc tatgagagaa ggatttggac gatttgagaa ggtacttcag 180
 ccgggatgcc a 191

<210> 44319
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042976H1

<400> 44319

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<210> 44320
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042977H1

<400> 44320

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002220.03200

ttttttaaac ag 192

<210> 44321
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 701042979H1

<400> 44321

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ttgccatggt ggcgatggta gcaactgggg tttcagctgc tgaggcacct gccccaggtc 180
cttcatccga tg 192

<210> 44322
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 701042980H1

<400> 44322

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tcttgctgtc tacaaggaag ttattgctga ccttaaggca gctggtgctt catggattca 180
gtttgatgag cc 192

<210> 44323
<211> 218
<212> DNA
<213> Glycine max

<223> Clone ID: 701042981H1

<400> 44323

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cgcgagaact tcgtctacat cgccaagctc gccgaacagg ccgagcgata cgaagagatg 180

gtggaatcaa tgaagaacgt tgcgaatctc gacgttga

218

<210> 44324

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<212> DNA

<213> Glycine max

<223> Clone ID: 701042982H1

<400> 44324

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cgcaaaatga agacgatctt gtcgtctgag accatgaata ttcccgcacgg cgtgagcatc 120

aaggttcacg ctaaggttat cgagggttgag ggccctcgtg gaaaactcgt gcgagacttc 180

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<210> 44325

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<400> 44325

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gtcggattca cggagatgcc gcgaggagcg aatgtaacat gttttgtctc gactgcaatg 120

agaatgcgtt ttgcttctat tgccgttcct caaaacacaa ggatcaccaa gtcattcaga 180

tacggagat 189

<210> 44326

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<212> DNA

<213> Glycine max

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<400> 44326

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caaggtgcgc caaagcattg gtggaaccga acaaaaaagc gaccaaagat gcttggtgtg 180

aatgaaaa

188

<210> 44327
<211> 203
<212> DNA
<213> Glycine max

<223> Clone ID: 701042985H1

<400> 44327

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gtattgaaga gaagtaçaca tggcaaattt actctcagag gcttctcact ctcaccgggtg 180
tctatggctt ctggaagcat gtg 203

<210> 44328
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<223> Clone ID: 701042986H1

<400> 44328

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tcgctctctc caacgatcac aacaacatcg tcattccatg gcaaacgccg catctgggat 120
ggcagtcctat gatgactgca agttaagggtt tttggagctg aagacaaaga ggacacaccg 180
tttcatagtt tt 192

<210> 44329
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<212> DNA
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<223> Clone ID: 701042987H1

<400> 44329

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gttctggaga ctctatcccc caatgtcagg aagcgtgttg aatctcttag agagattcag 180

ggtaaacaatg at

192

<210> 44330
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<223> Clone ID: 701042989H1

<400> 44330

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 agataccgat aagctcggtg tgatagattt ctccggcgctg tggcgcggtc cttgcaaatt 180
 catagagcc 189

<210> 44331
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<223> Clone ID: 701042991H1

<400> 44331

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 cgaaatggag actaaacaga gttcgggtgac ggttacgctc agttacggcg ctttgacgtg 180
 cgccgcg 187

<210> 44332
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<223> Clone ID: 701042992H1

<400> 44332

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ttgctac

187

<210> 44333
<211> 188
<212> DNA
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<223> Clone ID: 701042993H1

<400> 44333

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taacatctcc atcaagctat gcaaagccct aagcaaagca ccaaatgccca agctccatgc 120
cataggcagc cgttccctcg agaaggcgac ggcgttcgcg gctgagcacg gccttcccga 180
ggctgtta 188

<210> 44334
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<212> DNA
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<223> Clone ID: 701042952H1

<400> 44334

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gcttcgaagc tgtgtttctga tccttcaaatt taggttggtt gctttttttg gggagttaaa 120
tggaatgctag gccgtggatt tgggtcaatt gatctcaatt gaaatttttt agtatttctg 180
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<210> 44335
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: 701042994H1

<400> 44335

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attacatacc ttgggccttt gaaataacat acaggcactg aggatacaat atgctatgag 120
aattcttatt ttgaagttag aatcaagaaa ccttttggtta gtttgatgtt tggatttaac 180

atgatcaca

189

<210> 44336
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 <212> DNA
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<223> Clone ID: 701042906H1

<400> 44336

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 tgcgtcatca ttggaatagg gtttcccctc ttccagtggg tctcgtctc caaggttaag 180
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 <212> DNA
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<223> Clone ID: 701042907H1

<400> 44337

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 cgtaacggcg acgtccgtga agtcaatcgc aagtactacg atcgcgacgt ctgtcgtctc 180
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<223> Clone ID: 701042908H1

<400> 44338

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ggctgtcaac gacgacaact ccgtagtgac catg

214

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<211> 212
<212> DNA
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<223> Clone ID: 701042909H1

<400> 44339

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gcgcagaacc aagcctctat caccatgggg aagacacatg gaatgggagc tgcccgcgaag 120
ctgaagtctc accgtaggag acaaagggtg gctgacaagt catacaaaaa gtctcatctg 180
ggaaatgaat ggaagaagcc ttttgctggt tc 212

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<212> DNA
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<223> Clone ID: 701042910H1

<400> 44340

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tgcccagctc agtccaaacc actatgctaa catatgcccc aaccttgaaa gcatcgtag 180
acaagccgtt actaataagt tccaacaaac 210

<210> 44341
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<212> DNA
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<223> Clone ID: 701042911H1

<400> 44341

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tattgtgaaa gctggaggat gaatgtggag ctgcacaaca ttagggactt ccaagttgtg 180

cctgaagagt gcactgaata cattggaaaa tat 213

<210> 44342
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 <212> DNA
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<223> Clone ID: 701042912H1

<400> 44342

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 tatgtgaagc aaaggcagta taatccatct agtggcatgt attctcttga tgttgttcaa 180
 attagcaaag tgcaagctaa ccagcgagca ggc 213

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<223> Clone ID: 701042915H1

<400> 44343

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 ctttccaacg cttcccc 197

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<223> Clone ID: 701042916H1

<400> 44344

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 gcaagagaac atggcgtggt tgaaagtgga gggcaagttc ctttgagcat attcattttg 180

212

<400> 44345

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17769

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199

<210> 44348
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<212> DNA
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<223> Clone ID: 701042922H1

<400> 44348

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tttctctctc caaccttcgt ttcaccacac ttccatcact tgcgagtggt agaaatggct 120
ccaccaattg agacccaac caagggttcc agctatcagc actcccaaaa ccctcgtctt 180
aacgagagga ttctttcatc 200

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<223> Clone ID: 701042923H1

<400> 44349

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gaatgaggca gaaacttgaa gaagtaaattg tggctgctca aactaatctt gcccctgtcc 180
aagactatgt caattacac 199

<210> 44350
<211> 199
<212> DNA
<213> Glycine max

<223> Clone ID: 701042925H1

<400> 44350

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tttacttctc ctagcaatag taatcatagt tttaatcttc acaatatttc gtgtcaaggg 180

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199

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<211> 199
<212> DNA
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<223> Clone ID: 701042928H1

<400> 44351

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gtctcaacac catggtgatg aaatggagta tgcggcagat gataatgaaa tggcagaggt 180
agaagaggat atgtatttc 199

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<223> Clone ID: 701042929H1

<400> 44352

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ttttcgttgg tctgttg 197

<210> 44353
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<223> Clone ID: 701042930H1

<400> 44353

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ctgctttgat tccgtct

197

<210> 44354

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ctttgaaaat ttttctc 197

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<211> 198

<212> DNA

<213> Glycine max

<223> Clone ID: 701042933H1

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tggatgattg cacatacaag tatatgcaag tctaccactg aaactagtag tagtagcaac 180

aagagtgttt caaaagct 198

<210> 44356

<211> 196

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<223> Clone ID: 701042937H1

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aagggtgatg catttgggtg cgaattcgtg ccacgtgtcc ccgttgataa caaacttcac 180

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<223> Clone ID: 701042940H1

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agggagggca atgcgggaac cagatcggag ccaagttctg ggaggtggtg tgcgcggaga 180

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<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 701042905H1

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gtgaaatgac ttgccttctt tcttatatgc catgcttact tcaagcgctg gaacatatga 120

gacagaagat agaggcatca accgagaaaa ttctgtgtggc aaagatacag gaagaacagg 180

cgcgcaaggt gtgggaatca gcatcaaaaa ca 212

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<211> 195

<212> DNA

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<223> Clone ID: 701042943H1

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tcttctcctc cctggagaag agttttgcct ttcaagcagc aagaaaggag gacacagaaa 120

gcaacaatct tcatcaatat actcatcttg ttcaacctcag ctcactcctt ctttcatctt 180

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195

<210> 44360
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<223> Clone ID: 701042946H1

<400> 44360

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acctttatgg ggatatgcta cctcatgaat atgccgctta caaggacac gcttctatat 180
tctaattgtca agctt 195

<210> 44361
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<212> DNA
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<223> Clone ID: 701042947H1

<400> 44361

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tggaccctcc tttttccctt ccatttccaa accaaaacaa aaacgcattt ggccaaccct 180
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<211> 197
<212> DNA
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<223> Clone ID: 701042948H1

<400> 44362

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aatgagtgtg taattgactg tgatgacctt caatctccat gatgatgagc cacaagacag 120
tcctaattcg tgggagaaga gaagggatat gtgcataagc gttatcacca gttactcacc 180

catcatcctc tgtaccc

197

<210> 44363

<211> 191

<212> DNA

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caaaataatg gccttggtat gaactttctac aaggaatcat gccctcaggc tgaagacatc 120

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aggaacatct t 191

<210> 44364

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 701042950H1

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cgggtgctccc atctggaaca ataactcatc gctgactgtt ggatctagag gtccaattct 180

gctggaggat taccat 196

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<212> DNA

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<223> Clone ID: 701042951H1

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193

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 <212> DNA
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<223> Clone ID: 701042767H1

<400> 44366

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 attgtatgat tctgttaaag cagttgtcct cacaggggtca ttgcaggata gctttttttgc 180
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<210> 44367
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 <212> DNA
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<223> Clone ID: 701042769H1

<400> 44367

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 ctcttctatc tactcctctt cctccaaaac gctcccteta caccacatgc tcaactccgc 180
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<210> 44368
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 <212> DNA
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<223> Clone ID: 701042770H1

<400> 44368

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<210> 44369
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 <212> DNA
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<223> Clone ID: 701042771H1

<400> 44369

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 ccgataccac cgagaagggtg atcgagaggt acatatggat cgggtggatca ggaatggacc 180
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 ggaactatg 249

<210> 44370
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 <212> DNA
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<223> Clone ID: 701042772H1

<400> 44370

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 catgtcgact ctgggaagtc aactaccact ggtcatttga tctacaagct tggaggtatt 180
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 aagtatgcc 249

<210> 44371
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042773H1

<400> 44371

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ttttcttttt ctcttaatgg aatgatggaa cacaacatta tcgtcaacaa caacgtgatc 180
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<210> 44372

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042774H1

<400> 44372

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ttaaacccttc ttcttcatct tcatcatcat catctgtgtc ttgttctctc atggagaatc 180
aggagaccca acgcagcaaa ttcatggact ttccgttcgt ttcattctgcc cagaagaacc 240
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<210> 44373

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701042776H1

<400> 44373

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gtgacagcca ccagccatgg gtcgtatgca cagccgcggt aagggtatat cctcttctgc 120
tttgccctac aaaaggacac ctcttagctg gctcaagatc tcttcgcaag atgtcgaaga 180
aaatatctgc aagtttgcca agaaagggtt gaccccgctc cagattggtg tcattctcag 240
agattctcac ggtattgc 258

<210> 44374
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042777H1

<400> 44374

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 tcatcccaaa gattattggg gccatccaaa ctattgaaat cgttgaagga aatggaggac 180
 ccggaaccgt caagaagata acagctagtg aaggtgacca aaccagtttc gtgctgcaaa 240
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<210> 44375
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042778H1

<400> 44375

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 acacacacat gtatctctga gctccaatcc aatccaagac cacaccttgt cgcgtcggac 180
 gaaccttggg gtctgtcttt tatttttatt tggatcaata agtttccccg aaaaattggg 240
 gaag 244

<210> 44376
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042779H1

<400> 44376

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002220" ETTT560

ttggccaaac actcccatc ccaactgcact gcgagagctt ctaaagcctc tccctgcagg 180
tgatgaaatc gatgaactcc ctaagcaa at tgatgataca cagtacccaa aaacattctt 240
cta 243

<210> 44377
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701042780H1

<400> 44377

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agcgcaatgg aacagtgaat gtgagcaact tcagaagcca ggatcaacat gaatctgcac 180
aacatgggtct gagatttgag gcatatgaag ttccaaagcc tccaatgccg tcaaaagttg 240
ctc 243

<210> 44378
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701042781H1

<400> 44378

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aagcacatca atcaagattt ttcgggtgtct accccatcac ttttccaagc aattagatcc 180
atgtcatctg caaagctttt tgtcggaggt atttcttaca gcaactgatga tatgagtttg 240
cgagagt 247

<210> 44379
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701042783H1

<400> 44379

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 tccaaaatat tccaaactaaa cctttcttcc ttttcatggc agatcctacc cgtctttcat 180
 tcagttcaat ctcatacctg tatgtgtatc tctaatacaa tcagttaatg aatgagaaga 240
 ggaatc 246

<210> 44380

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701042784H1

<400> 44380

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 cttgtctact ttatggatac acagatttgg tatgccatct tctctacaat agtaggaggc 180
 atatatgggtg catttcgacg tttgggagag attcgaacat tggaattact gaggtctcgg 240
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<210> 44381

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701042785H1

<400> 44381

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 tattataatt tctatgactc aacttgtcca aacctgaccg gaattgttcg atccaacgtg 180
 tggtcagcta tggccaagga tgcaagaatt gctgcttctc tcttgccgct tcatttccat 240
 gattg 245

<210> 44382
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042786H1

<400> 44382

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 tattgttgca tcactttcaa atgattatgt tgactcttat gttctgtcag agtcaagcct 180
 gttcgtctat ccttataaaa ttatcatcaa aacttgtggg actaccaa at tgcttctgtc 240
 catcc 245

<210> 44383
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 <212> DNA
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<223> Clone ID: 701042788H1

<400> 44383

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 ctacacaaaa tcctctcccc atacatgtca agtggtgttg tatccgtttt attatggcat 180
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 ggaggca 247

<210> 44384
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 <212> DNA
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<223> Clone ID: 701042789H1

<400> 44384

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 ggtgatattg gtgggggatt ggttcttaaa cgcatatct atgttccaaa gaatgttccc 120
 aatgccatcc agatagactc tagtataata gcacgaagtg ttggagctgg ttctggaggg 180

ttctcaaggt tggtttgctt aagagttcac ccaacattta gtgttttgca tccatcagaa 240

tctt 244

<210> 44385

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701042790H1

<400> 44385

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ttagtgccctc cttgccagaa gttaaaatgg cccaagaaac tttcctattc acatctgaat 120

cagtgaacga ggggcaccct gacaagctct gtgaccagat ctccgatgct gtgctcgatg 180

catgcttgga gcaggaccct gacagcaagg ttgcttgcca aacctgcacc aagaccaaca 240

tggt 244

<210> 44386

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701042791H1

<400> 44386

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tgaggaggac atccgttctt tacagctcga ttcagcagaa gacaataatg ggggtggtaaa 120

tgacagaggat ggaaggccag aagaagttga gaaatctgat aagatggatg aagatccaaa 180

gcaggatggt gaggctgagc caaaggctgt tgaggctgag ccaaaagtga aggataagg 239

<210> 44387

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701042794H1

<400> 44387

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cctatatcac tatggggaag acacatggaa tgggagctgc ccgcaagctg aagtctcacc 120
 gtaggagaca aaggtgggct gacaagtcac acaaaaagtc tcatcttgga aatgaatgga 180
 agaagccttt tgctggttca tcccatgcaa aggggtattgt tcttgaaaag atagggtat 238

<210> 44388
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042796H1

<400> 44388

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 gtctcaacaa aaatcaatgc attaggctct ttgaggagct gaacaagtac aggactttgc 120
 caaaaatctc tcgggaagac tttgaattaa tatttgatga gctcgatgat agtcatgata 180
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<210> 44389
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042766H1

<400> 44389

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<210> 44390
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 <212> DNA
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<223> Clone ID: 701042902H1

<400> 44390

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 cacctattcc accaacadat tttggaaact gcgttggagc gagacttgca attgctgaaa 180
 caagagagat at 192

<210> 44391
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042903H1

<400> 44391

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 tcaaacatca cagctgggaa caaaaagcag attcaggatg taattgaggc tagtataatt 180
 gctccttttag tccatttgct tcaaaat 207

<210> 44392
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 <212> DNA
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<223> Clone ID: 701042722H1

<400> 44392

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 attatctttt attctgcgaa gtaactgaga gattgaagat gggaggagat gattctgggt 180
 tggagactga caattttgat tggaacactg aagatgagct tgaacttcag aactataact 240
 cgtcgtcttc atgttt 256

<210> 44393
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042723H1

<400> 44393

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 tttttctttt tctaagtccc caatcactat aacacaatgc ctgcgccttg tttccacaag 180
 cttgttctcc ccactactct ccaatccaga caactgagga ttccagataa ttttctgagg 240
 aaatatggga ccca 254

<210> 44394

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701042724H1

<400> 44394

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 gcattgtggg gcgtccacgt cacactgggg tgatggttgg gatggggcag aaggatgcgt 180
 atgttgggga cgaggctcaa tccaagaggg gtattttgac tctcaaatac ccaattgagc 240
 atggaattgt gagca 255

<210> 44395

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701042726H1

<400> 44395

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 aagagaaact tatgtgtgta tgatgccaag ggagatctac aagcttaaaa agttaagaca 180
 ctttctgagt ggttatcaag ggtttcaa atgtagtggc attggagtag taacatccct 240
 acaaacta cctga 255

<210> 44396
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 <212> DNA
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<223> Clone ID: 701042727H1

<400> 44396

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 ggtttttttg ctggcgtgat tctgaaggct tggatctgga tatcttcttt gcttctttgc 180
 tatggaagac tcggattcag ttgtacact gatagattct actacttcta agatacaaca 240
 gctgcaga 248

<210> 44397
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042728H1

<400> 44397

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 tttccggcca gaaaccggcg aggtcgccg agaaatcgag cttctctcag acttgtagcc 180
 tgttgagtca atacatcaag gagaagggtg gcttcggaga tcttaccctc ggaatgacat 240
 catgtgggtc ac 252

<210> 44398
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042729H1

<400> 44398

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 aaaggggtatt cttgctgctg atgagtcaac agggacaatt ggcaagcgtt tggccagcat 180

cagtgtagag aacattgaat ccaacaggcg agctcttagg gagctgcttt tcaactgctcc 240
 tgggtgttct 249

<210> 44399
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042730H1

<400> 44399

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 tttggccaaa cactccatt ccaactgcac tgcgagagct tctaaagcct ctccctgcag 180
 ctgttgaaat cgatgaactc cctaagcaaa ttgatgatac acagtaccca aaaacattct 240
 tctataaaga 250

<210> 44400
 <211> 250
 <212> DNA
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<223> Clone ID: 701042731H1

<400> 44400

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 gtttgtctta aaacgtttgg aacataaaaag cccaattgtt aaacagaagg ctttaagatt 180
 gataaagtat gcggttggga agtctggtgt ggagttcaga agggaaatgc agagacattc 240
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 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042732H1

<400> 44401

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 gtgacggagt tgcaaattgg cgtgaagcat aaaccagcat catgtgaagt tctggcacac 180
 aaaggtgaca gagtcaaagt acactatcgg ggaaaactca ctgatggaac tgttttcgat 240
 tctagctttg aaa 253

<210> 44402
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042733H1

<400> 44402

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 tcttgtgagg ctgagagggt tttgctctga gaattctcat aggcttttgg tttatgagta 180
 tatgcagaac ggtgccctta atgtttatgt gagaaaggaa gggccttggt tgagttggga 240
 tgtaggttt aggg 254

<210> 44403
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042740H1

<400> 44403

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 tgatatcaga ttcagatttt tttaaaagag actcacgctg gcggtgaaga acgtttctgc 180
 ggcggcggcg gaggaggagg aacagggtta catgactctg atttccaatt ccgacgtcga 240
 aagccacgcc gacgt 255

<210> 44404
 <211> 253

<212> DNA
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<223> Clone ID: 701042741H1

<400> 44404

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 atcactgaag cacagtttct ctctgagtcg agctcctcct tcttcctctt ccatcaaatt 180
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 cggcggaaat gcc 253

<210> 44405
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042742H1

<400> 44405

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 gcttggttaac aaattgatac ctgaccacgt gaagcggcaa atagggtgc aatttggtcc 120
 tccagcagga tcatgatgat gagctttagg ggggctttag tgtatactag ttgatgagtt 180
 aaacaaaagt gacaccgtta tttttgtcta aattagcatg ttctgtggcc tgaccagtgt 240
 agtttcaa 248

<210> 44406
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042744H1

<400> 44406

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 atgatagtga ctacttactg gatatatatt gtcgaagtga tataacagct ttggcaaagg 180
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gccaggatt

249

<210> 44407

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701042746H1

<400> 44407

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tggttgacg tgtacacgct acccgatctg gattacgact atggcgact ggagccagcc 180

atcagcggcg acatcatgca gctgcaccac cagaagcacc accagactta catcaccaac 240

tacaac 246

<210> 44408

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701042749H1

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cgctctgcaa ttgcccagaa ggctctgggt attaagggca aaatgattgc caagaaaaat 180

tatgctgaaa aggcgcagat gaagaagact ttggctatgc atgaagaatc atcgtctagg 240

cgcaagactg a 251

<210> 44409

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701042750H1

<400> 44409

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ctctctctgt ctctcgaaaa ttctcagttt gcagagaaaa tctgaatcat gtcgtggcaa 120
gcgtatgtcg acgatcacct tctgtgtgac atcgaaggta accacctcac tcacgctgct 180
atcatcggcc aagacggcag cgtttgggct cagagtaccg acttcctca gttcaaacct 240
gaggagataa ctg 253

<210> 44410
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701042752H1

<400> 44410

gaacagcctc tggtcgatgg aacaatgtag gcaaggaag tcggcaaaat ggatccgtaa 60
cctcgggaaa aggattggct ctgagggctg ggcacggggg tcccagtccc gaaccgctcg 120
gctgtcgggtg gactgctcga gctgcttccg cggcgagagc gggtcgtcgc gtgccggctcg 180
ggggacggat tgggaacggg cccttcgggg cctcttcccc gggcgtcgaa cagtcaactc 240
agaactggta 250

<210> 44411
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701042755H1

<400> 44411

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ctaaccggc tctccactat caagattaat tgctatattt tcctttccat ttatctgttg 120
gatagaatat taggcataat aacaaacttg tcttagtgac attctttggt gcgggctaata 180
attggactcc atacagggtta gagaaattgt tgccattttg gaccttgatg ttcttttcta 240
tccttgtcca agaaatggcc ca 262

<210> 44412
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701042757H1

<400> 44412

aaacattggt tccgtgatca tctcatcac tctcaccat ggctgectca tccaccatca 60
acaacttctt ctctttcttc ttacgcacaa aaccaccacc accaccctct ccaccgcagt 120
tcaacccccc cactttctcag aaccagaaac cctctctctc acagccccta attgcccatt 180
acaaccctcc tctttcaccc tcttgcgctt ctctttctga gttgtctctt gttatatgcc 240
catccatggc gta 253

<210> 44413

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701042760H1

<400> 44413

ctaattccctc tttcttcttc ttctcagta gtgcgatttt cgattctctt ctctgcaact 60
atgcctaacc ctaaggcttt ctctgacatg accatcgccg gtcaacctgc cggccgcac 120
gtgatggagc tctatgccga cgtgactccc agcaccgccg agaacttcg cgcgctctgc 180
accggcgaga agggcgccgg gcggagcggc aagcccctcc actacaaagg ctctgccttc 240
caccgcgt 248

<210> 44414

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701042762H1

<400> 44414

ccgcaaattg ttttcttttg ctgtcactgt tgccgaatcc ctactttct cactcctcag 60
caccattcaa tctctttctt ctactggcaa taagcatcag cactctgcca catccagttc 120
ccttctgcgt gttctttctt tctactctct ccagtcgggc caaagcgaac tcttccatc 180
atcttcagtt ttttctgtca agtgctgttg ctctgtctcc caaacttatc caaatattgc 240
ttg 243

<210> 44415
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042765H1

<400> 44415

ggaaacccta gctggatagg tcaaacaatca tcatgtcgga cgaagagcac catttcgagt 60
 ccaaggcaga cgccggtgcc tccaaaacct accctcagca agccggtacc attcgcaaga 120
 acggctacat cgtcatcaaa ggacgcccct gcacggttgt cgaagtctcg acttccaaaa 180
 ctggaaagct cggtcacgcc aagttccact tttttggaat tgatattttc actgccaaga 240
 tacttgagga 250

<210> 44416
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042721H1

<400> 44416

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 cgctcggcga ggcccgcggt tcggccgagg gaaccggccg gtccggttca ggttacgac 120
 cccaaaccca aacccaaagc ggcggaggcg gaaggcgcca acatcgtttt gcagccgcgg 180
 ttgtgcactc tcagatccta cggttcggat cgagccgggg tgcttatcaa gactcgcaag 240
 gagggtgacc atgatg 256

<210> 44417
 <211> 83
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042688H1

<400> 44417

gtttgtggat catcaccaat ctcttcttgc taaagtaact tgcctttcat ctcttccttg 60
 ttagctttcc acacaatctc atg 83

<210> 44418
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042689H1

<400> 44418

agcagccacc cgattgcacg gtcgccgact ttctcttccc ctgggtggat gacttggcca 60
 aaaagcttcg catccccaga cttgccttca acggcttctc cctcttcacc atctgcgcca 120
 tacactcctc ctccgagtct tccgattctc ccatcattca gagtctccct caccatca 180
 ccctcaacgc aacaccgcca aaggaattga ccaaattcct tgaaaccgtg ctggagacag 240
 agctcaaagc tatg 254

<210> 44419
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042690H1

<400> 44419

gctagctagg ttgaaaatag tttggttttg tagtaagtga ggtgaggtgc caaatgggtg 60
 aagataactc ttggtacttt cgatgactct tttgggtgtt cctctcttaa ggcttatttg 120
 gcagagttcc atgcaactct gattttcgtg ttcgctgggt ttggttcagc catcgcttac 180
 aacgagctta caaagatgc agccttgat ccaacggggc tgggtggcagt agctgtggcc 240
 catgcatttg cact 254

<210> 44420
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042691H1

<400> 44420

ggtttcaagg ctagtggagg agcgtaggag gctgaggaga aaagacaggc taggctagaa 60
 aaagaacttt tggaggagga agagagaaaa cagaggaaga ggtttgaggc catagaaatg 120

cagaagttga ggaagacggc tacgaggcgg tgcgcaact gtttgaaccc gtatagggat 180
 cagaaccctg gtgggggtag gtttatgtgt tcgtactgtg gccatgtttc aaagaggccc 240
 gttttagact tgectg 256

<210> 44421
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701042692H1

<400> 44421

gaaagatagt gagtgaagta actgaagaga agaaaaaatg ccgtgcctca acctcagcac 60
 caacgtgtcc ctccaaggcg tcgacacctc ttccatcctc gccgaagcca cctcctccgt 120
 cgccagcata atcggcaaac ccgaagccta tgtgatgatt gtactgaaag gatcagtacc 180
 catagctttt tgggtggggat gagcaaccag cagcttatgg aggattgggt ccattgggtg 240
 tcctaaccta gtgtaaa 257

<210> 44422
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042693H1

<400> 44422

tcgctaacag taacagggtg aagagtaagc gaaaccctac gcgcgtgttc cttccggtga 60
 aactatctta tcctctccgg gatctgaatc tgagaaattt aatgcactac tacttcttct 120
 cgagaaggat ccagaagaag aagaagaaga agagccacac tcaccgcaa tgagcaacat 180
 ccgtcgctgc cagaggattc tcctctctc tctcttctt ctctccgtcg tcgctcctct 240
 cgtcttcgtc tctcaccggc 260

<210> 44423
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042694H1

<400> 44423

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 ttttctttct cgaactcgaa cgaagatgcg tgagattctt cacatccagg gagggcaatg 120
 cggaaccag atcggagcca agttctggga ggtggtgtgc gcggagcacg ggatcgattc 180
 aacggggagg taccaagggg acaacgagtt gcaactcgag cgagtcaacg tctactacaa 240
 tgaagcgagt tgcg 254

<210> 44424

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042695H1

<400> 44424

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 caaaatcctt gggaacagta attgggtttg ccatttcata gctgggaaag aacattcaag 120
 tactttcaag ttctttgtc aataagcaag agcaatacac tgtggaagga ctgcagaatc 180
 ttggagacaa agcagtgatg tgtcatgggc taaatttcag aactgcagta ttttactgcc 240
 ataaagtccg tgaaacaaca gctttt 265

<210> 44425

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042696H1

<400> 44425

tccagttctc tcttttcccc atcacttctt atctgaggca aaagaaagac actaaaaaaaa 60
 ttatccacag catcaaagtt ggaatctccc ttgtattgat ttactctctg tacttcgtgg 120
 atcctctcta tgagcaagtt ggagataatg ctatatgggc tatcatgact gttgttgtca 180
 cttttgaatt ttctgcgggt atagagctac gctaggaaaa ggtttaaate gcggaatggg 240
 aaccatatta ggaggtggac tgggttgc 268

<210> 44426
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042701H1

<400> 44426

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aaggaaaagg ttcacatcag tattgtgggc attggccatg tcgactctgg gaaatccact 120
accactgggc acctgattta caagcttgga ggcattgaca agcgtgttat tgagagggtt 180
gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaaa 240
cttaaggctg agcgtgaaaag 260

<210> 44427
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701042702H1

<400> 44427

gtgatctaac cgaacaatcg catatttctg ttctgccttc ttctactcaa tacattacct 60
gcctctagtc tcgtttccag gtttgaata ataataattt tagtttcttc gttacgcctg 120
cgttgtgcgt gagaaagtgc gcgtggtgaa aaccatggct ttcagctcc tgagacgaac 180
cttcggaagt cgcattcttg caaacctag ggcttctcc ttctcctccg ctgcttccac 240
tccgatccgc gccactc 257

<210> 44428
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042703H1

<400> 44428

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ttgattgagg atgccgaaga acaagggaag gggaggtaag aacaggaaga ggggaaagaa 120

cgaggcggac gacgagaagc gggagctggt gttcaaggag gacgggcagg agtacgcgca 180
 ggtgctccgg atgctgggga acgggcggtg cgaggcgatg tgcacgcacg ggacgaagag 240
 gctctgccac atccgcggga 260

<210> 44429
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042704H1

<400> 44429

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 cccaaccaag aatgctgcaa cgccgtcggt tttaccaaac cctggaacac cctccatccc 120
 catgaaccac cttctctccc aaacgcagcc tcaaccacaa ggtgccacgt cacacttcca 180
 cggccacttt cagctttcac aacccccaaac ccacgtgctc gcaccacaac aacagccaca 240
 ccctcatcct catcctcaag 260

<210> 44430
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042706H1

<400> 44430

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 atggagcttc ttgggatgat gcctcgcaag attgcacttg gtggatgcta ttcccagat 120
 tttttcaaca gatatggaga tttgaggcac atccgtcggt tgcgtttctg gcctcttaat 180
 aagggtgctga cagagaagta tgatttcagt gaacaagaag caaataacat gaccgatttc 240
 cttcttccat tacttgat 258

<210> 44431
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042707H1

<400> 44431

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 agattcagtt ccattatattt cgcctgttca tgacgctgct tctttgactc gcaactcttt 120
 ccctgctggc ttcattctttg gggctggatc ctcagcctac cagttcgaag gagcagcaaa 180
 ggaaggtgga agaggaccaa gcatatggga taccttcaca cataaccatc cagaaaagat 240
 aagagatgga gccaatgg 258

<210> 44432

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701042708H1

<400> 44432

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 ctttctttgg tagaattggg aatttattaa gacagacagc aagcaggcag gttagttcag 120
 aattgcatc atccccctcg ttttttcagg ctatacgag tatgtcatct gtcctcaagca 180
 caaagctgtt tatcggaggt gtttcatatt ctactgacga gcaaagtttg agggaagctt 240
 tttcaaaata tggatgaagt 259

<210> 44433

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701042710H1

<400> 44433

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 gcctagtacg ggtctgtttg ttggactgaa caagggtcac gtcgtcacca agaaggaatt 120
 gcctccacgc cctcagatc gtaaggggaa aacaagcaag aggggtgcact ttgtgaggaa 180
 cctcataaga gaggtagccg gttttgcacc ctatgaaaag cgtataactg agttgctgaa 240
 gggtgggaag gataagag 258

<210> 44434

<211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042711H1

<400> 44434

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 cactttattg ttgtagcag tcaatgtcgt ctttaagatc tctccaaaga aagctgatga 120
 gaagacaagg tttttttcac tcaaaggcac cagcaaagtc actttctoca ccatcaccac 180
 cacttcttag caagacctca ttgacacccc cagtttctcc aaagtcaaag tcccctaggc 240
 ttcttgccac aaagagag 258

<210> 44435
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042712H1

<400> 44435

gagatagacc ccagaagtgg tttctgcagc tccaattcaa tcttctacag caagcgtaag 60
 cccctcccac tccctcccaa caacgccttc gacgtcacca ccttcatctc ctcccgcgcc 120
 caccgcgcca ccacagcctt cgtcgacgcc gccaccgccc gccgcctcac ctacaccag 180
 ctatggcggt ccgtaggggg cgtggcagcc tctctctccg tggacatggg gatccgaaag 240
 ggcaacgtgg tcct 254

<210> 44436
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042713H1

<400> 44436

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 atctttcggg aagcccatgg cggatgtttt atagccaagg aagcgtatgg gatgtgtgaa 120
 gatttttctc tcttctctgt tattcccaat tgtgtttacc tggtcgcagg ggttcttagt 180

tggggtttca gcccttttgc tcaccaaaaa aaaataagaa actactgggt gtggcttttg 240
gtgtgtttga ag 252

<210> 44437
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701042714H1

<400> 44437

gaaaaacata tcacacaata tggcattcaa gggctatttc cttctcggcc tcgttactct 60
tgttcttggt aaatcttcca aagttacatg cgaacagaa tcggttaata cagtttcacc 120
cattattgac atttcactca atcggaagag cttcccagaa gggttcatat ttggggcggg 180
atcttctctg taccagttcg aaggggcagc aaaggaaggt ggtagaggac caagtgtatg 240
ggataccttc acc 253

<210> 44438
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701042716H1

<400> 44438

agacacaaaa aaatggctag tggccgcaat ttgaagaacg ctgtgattgc attcttggtt 60
cctcttcctt ccatcttctt ctacctctca ttctcaacc actacgactc agcaaaatcc 120
ccatcttttt ggtcaactct atggtcattg tgctatcacc accctcttct attagccaac 180
gctctcttct tctcaacgt caatgtcttc ttctggctca taggcctaata acaatccagc 240
cactggatga tcga 254

<210> 44439
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042718H1

<400> 44439

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 gagcgaggcg atggagtgtt tggaacacat atgctatgag ggggtgcaccc acgttggacc 120
 gtacgatgcg gaggtgaaga gggagaggac gccgtgtggg agattcgcca cgtgccaggg 180
 tcttcaggtt ctgatccgcc actttgccac gtgcgagaag aagggttcgcg gtggctgcgt 240
 gcggtgcaag agaattg 256

<210> 44440
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042720H1

<400> 44440

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 tgcgggagat ttggtggtga ggggtgaaat gaggggtgctg agcttatggg tcatggtttg 120
 caggttttca ctgagactga gttgatgaat ggtgagctta gctatggcgt cttccaactt 180
 ttcagagttg gacttcgagg ccatgagagc gagacgagag caccaaattg ttaggaatgc 240
 gtttataaat tc 252

<210> 44441
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042687H1

<400> 44441

aaaagattaa caataaaagt gtggagtact gttgatagca aagatgtttg ggatcttcga 60
 caaggggcaa aagataaagg ggacagtggg gttgatgcca aagaatgtgt tggacttcaa 120
 cgccataacc tccatcggtg aagggtggtg tattgacaca gccaccggca tcttaggcca 180
 aggcgtcagc ttagttggtg gagtaattga tactgccact tccttcttag gccgtaatat 240
 ctccatgcaa ttgatcag 258

<210> 44442
 <211> 262
 <212> DNA

<213> Glycine max

<223> Clone ID: 701042656H1

<400> 44442

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catccctttg gcctactatg ttattaggca cattctaagg aaaggtttga gtgaaaatcc 120
taaaacaaag tttatcatta cgggtcatag tttgggtgga gcactcgcaa tcttgtaccc 180
tacgatcatg ttcttgcag atgagaagtt gctgattgag aggttggaag ggatctacac 240
gtttgggcaa ccagagttgg ag 262

<210> 44443

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042657H1

<400> 44443

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acttacaacg gcggtgtcgt tctcggagcc gactctcgaa ccagcactgg agtgtatgtt 120
gccaaaccgag catcggacaa aatcacacag ctactgata atgtttacgt gtgtcgtctt 180
ggatcggctg ctgattctca gattgtctct gactatgtgc gctacttctt tcaccaacac 240
acgatacact tggaca 256

<210> 44444

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701042659H1

<400> 44444

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atgcgagtcc ctctgtgaa gcctttgaag caaccaaagc cgaaggctaa ggaccccaac 120
aagagggata tgagtcttga ggagaaacac aagttggggg tagggttgca gagtttgccg 180
ccagaaaaaa tggaacaggt ggtgcagatc atacggagga ggaatggaca tttgaagcag 240

002220"ETT660

gatggggatg agatcgagct a

261

<210> 44445
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701042662H1

<400> 44445

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tgaagggtgc aaggattggg attatgtgat tccagcgcct gcagaatgaa cgccgtaaaag 120
gggtgtaagg tgttgtaaag gtcaaatttg gtagtaaaat gagaagggga atgggtgtga 180
caacaggaag ctcatagaaa atgtaccatc ctgcttgcac gggcatgact attgaagaag 240
ctaagaaact agatcatttt gtagt 265

<210> 44446
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042663H1

<400> 44446

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gtggccgcgt ccgacgccga cgacatcctg atccgtcagg tggtgccaga tgttgccgaa 120
gctgaagagg aggacaacct gctgaacgcc gagcaccact ccgcgagctt caaggccaag 180
ttcgccaaga cctacgccac caaggaggag cacgatcatc gtttcggcgt cttcaagtcc 240
aacctccgca gagccaggct gcacgcca 269

<210> 44447
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701042665H1

<400> 44447

agagaatccg aggcgaagag aagagaaaaa ttaagatgga ggggaaggag caggatgtgt 60

cgctgggagc gaacaagttc ccggagagac agccgattgg gacggcggcg cagagccaag 120
 acgacggcaa ggactaccag gagccggcgc cggcgccact ggttgacccg acggagttaa 180
 cgtcatggtc cttttacaga gcagggatag cagagtttgt gggcactttt ctgtttctat 240
 acatcact 248

<210> 44448
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042666H1
 <400> 44448

gcgagagcag aagctacagc gaggcaagcc tgcttcgcg gcttgccacg tggtacaaat 60
 ccaaggacgt agcgcagagg atccttctct cagttgaatg ccaaagagg aggtgttcct 120
 acacgctggg .tttggtgag ccgaacctag cgggcaaacc gagcctgctc tacgacctcg 180
 tgtgtaagcc gaacgagatc cacgcgctga agacgacgcc gtacgatgag cgcgtagaga 240
 atcacgagaa ccacgcgttg cac 263

<210> 44449
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042667H1
 <400> 44449

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 ggttttattc agtctaacca ctctgtcatt atgtacaaca acacaatgat tagcttcaac 120
 atgattgagg ctgccaggat taacggcatt aagagggtttt tttatgcctc tagtgcttgt 180
 atctaccctg aatttaaaca gttggaaact aatgtgagct tgaaggagtc cgatgcatgg 240
 ccagctgagc ctcaagatgc a 261

<210> 44450
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042668H1

<400> 44450

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 tcctttgtct tcttgagttt tatcagagac gggagtgcag ggatcactag ctctttcatt 180
 cggtcagagt ggccggcagt tgacatcccc cttgatcatg aagcatttgc agttccaaag 240
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<210> 44451

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042671H1

<400> 44451

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 gcgtttgctc agtgagccag cacctggaat tagtgcgctc ccttcggaag acaatatgcg 180
 gtatttcaat gtgatgatcc ttggcccaac tcagtcgcct tatgaagggg gagtttccaa 240
 gttggaatta tttttgccag aa 262

<210> 44452

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042672H1

<400> 44452

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 ctgagaacta ccagatgaag tactacctct atcacatcct ctctggccc cagctcctct 180
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 aaaccaccga ctgccacggt ca 262

<210> 44453
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 <213> Glycine max

<223> Clone ID: 701042673H1

<400> 44453

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 cgagtgcgat ccttcctcca tagacgaggt tcggttggtg tatatccgac acaagagtc 180
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 tgatgtcatg aagctgat 258

<210> 44454
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042674H1

<400> 44454

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 agggcacccg ctgggccgctc ctctcgcgcg gttccaatgg ctactggaat tacagacatc 180
 aggctgatgt ttgtcacgcc tatcaaatac taaggaaagg tggcctgaaa gaagaaaata 240
 ttattgtttt tatgtatg 258

<210> 44455
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042675H1

<400> 44455

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tcaactccgg cagtgaagtt gctgagagca tcgccgcctt tgccaaccgc cgccaccgcy 180
 gcgtgtcggg gctcagcggg agtggcattg tcgccaacgt cactctccgc cagccccgcy 240
 ccccgccgg cgtcataa 258

<210> 44456
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042677H1

<400> 44456

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 aagtggcgga ccacctgtta agaagcaaag tgctggagag ttgcgtcttc acaaagatat 180
 aagtgaagctg aatctaccaa aatcatgtac catgcaattc cccaatggca aagatgatct 240
 gatgaacttt gaagtttcaa t 261

<210> 44457
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 <212> DNA
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<223> Clone ID: 701042678H1

<400> 44457

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 gagtactttg aatgaaccat ggttggttcag ccagggtggc tatgcaaccg gagcgacggc 180
 accaggaaga tgtaccgggc cacaatgcct cggtggtgat gctggcactg aaccttacat 240
 agttacacac aatcaaattc t 261

<210> 44458
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042679H1

<400> 44458

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 atcctcctcc gagggccgga ccacaatgcc ggcgtttctg acttcggcct caacccttg 180
 ttcggaacg gagccccgtc gaaccgcgtg gcgggctacc gggcacccga agtgggtggaa 240
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<210> 44459

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042680H1

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 tacctggtga agggccctgc caacttcact gtaagattct ggtaccagtt taacactacc 180
 cctcagtcta gacttaaaca cttagaactt gtttctattt tctccttttc catccttgca 240
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<210> 44460

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042681H1

<400> 44460

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 gttgttgact ttcttcgggt tcatgggtac ccatttataa tcatatgtga ttgcacgttg 180
 cagtatatgt ttatatatat aatgcggggt gttaatgtat aaatatgttt tttttttttt 240
 ctgggggttat ttgttt 256

<210> 44461

<211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042682H1

<400> 44461

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 tcttctctt cttaacttc aatactcacc ttgaatgga ttctaattct tcttctccaa 180
 gtcccaacaa ccacgttcc acaacaaaa tcaaccgttt ctttcatccc aagctggggt 240
 cccaacctgc caccagctcg 260

<210> 44462
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042683H1

<400> 44462

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 tcctttttct ttgaagcaaa gtgaacttgt ggtatacctt tccaattgag gtttctagcg 180
 aaagagaaag gatgtcaagt gggacaacat actggtgtta cacatgcagg cagccaatct 240
 ggcttgaagg gagggaagg 259

<210> 44463
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042685H1

<400> 44463

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 tccagaaaat gaaacaaccg aggtaagcaa gaccaggaa acaacccag tcaactgaggc 180

tcttgcaaca gaacaaccag cagctgaggt tcttgcaaca gaacaaccag cgcgtgaggc 240
 tcttgcccca gaatcaacca 260

<210> 44464
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042686H1

<400> 44464

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 tagtggtcct ctgaaaaaga gaattcagca gcttggtgac tctaatacctg tcatgctttt 120
 catgaaagga actcctgaag agccaaaatg tggatttagc aggaaagttg ttgttggtgtt 180
 gaacgaagag agagtcaagt ttggaagttt tgatgtccta tcagactcag aggttcgtga 240
 aggcttgaag aagttttcca a 261

<210> 44465
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042654H1

<400> 44465

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 attctcctgt tcgtgtcatc gattgggaat attgcggtgc tggcaatgct aactttgtgt 120
 ttctgactca ttgtacttaa ttaattttcta gctagccact ctgtcatgac tttgtttttcc 180
 ttttccaccg attttccagc ggctgggagc ttaataaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaggggg ggcgcccc 278

<210> 44466
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042627H1

<400> 44466

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 cttccagagg ctaagagcct tgaacggaga gaggagtgcg ttggcgagaga gctttgagta 120
 taactatggg gatTTTTattc ccatcttgag acccttcttg aagggttact tgaagatttg 180
 caaggagggtg aaggagacga ggttgaagct tttcaaggat tacttcgttg acgagaggaa 240
 gaagcttga agcaccaaga gcac 264

<210> 44467
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042628H1

<400> 44467
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 tgctcctctt aggaagtatg ttaggtacta cagggtactc gtgctggagc tcaacaaagc 180
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 ctgccgtcgg atcagtgatt tctg 264

<210> 44468
 <211> 266
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<223> Clone ID: 701042629H1

<400> 44468
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 ctttcaatcg gtgcgagggga ttttggaccc caacgatttc ctcgctctgc aatcaattcg 180
 gaaatccctt cacgatgttc ccggttccaa tttttctcc tctgggact tcaccgccga 240
 cccctgcaac ttgccggcg ttttct 266

<210> 44469
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<213> Glycine max

<223> Clone ID: 701042630H1

<400> 44469

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gtcatggcta gcatttgctg cacaacaaat tggtgaagtt aacgcattgg ctaaggcatt 180
gtctggcaac aaggatgtgg ctttcttctc tgctagtgtc gcagctcagg cttcaaggaa 240
gtcctctcca agagtgacca acgaggctg 269

<210> 44470

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701042632H1

<400> 44470

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ttcaatcatt tcgagaatat cgaattttca atttcgtgtc ttccattttc gggttcaatt 120
ctgaggtttc atacaaacaa gggaagatat cacattctta aagattcaca atttcagata 180
aatattatat gtatctgaaa cttttttaat aagaagaatg ccaggcattc ctggtgcagc 240
tcgtgctacc tcaagccatc cagatgcttg tga 273

<210> 44471

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701042634H1

<400> 44471

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tgggccagaa agcccaaagg attaggacag tgagatccca taaaaacaaa acaaaaggac 120
aaaacgacag cacttcttct cttctctcat ttttcagttt ctcagtttct tattcgtaa 180
tcgttagatc tcatcttaca ctcaccggcg agtccatctc gcgccaccgt cgactgagct 240

ccggccatcg ccgttggttc cctcact

267

<210> 44472
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701042635H1

<400> 44472

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tcagaacaaa aataggtctt cttcttctct gatctaccaa agcttcaa at tctccttagt 120
ttggtttgac tgtgagtttg gagtgtaatg tcgccgccga cgctggtaac ggaggaggat 180
gggcggacaa ccgtggcgct cgattcttcg caatccttgg actgtttctc tcagaatggt 240
gctggat 247

<210> 44473
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042636H1

<400> 44473

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cttgaaacct accccactca tcgtgtgtgt gtgtgcagag atggcagaag aggattcaaa 180
gcctctgaac tacatctccg aggtcattct caagaagagg aagaacaccg aagcatgggc 240
tttaaggaaa aaagacagtt 260

<210> 44474
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701042637H1

<400> 44474

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 ctctctccgc tgatttcacc agacgcacgc aacgagcttg gtcaatttct aagcaaccaa 180
 ggccaatcgt gtgttcgtct tgcgactcaa aagggcatat tgaatgtaa tggtgtgcgg 240
 gtactggttt ttttattctt gg 262

<210> 44475
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042638H1
 <400> 44475

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 gagtcgttgt cttgcggagg ataatggact tgttatgaac ttctacaagg aatcatgccc 120
 tcaggctgaa gacatcatca aagaacaagt caagcttctc tacaagcgcc acaagaacac 180
 tgctttctcc tggctcagaa acatcttcca tgactgtgct gttcagagtt gtgatgcttc 240
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<210> 44476
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042639H1
 <400> 44476

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 atctaccgaa tgaagctctg ggccaccaac gaggttcgcg ccaagtccaa gttctgggtat 180
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 atttttgaga agaaccaacc aaa 263

<210> 44477
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042640H1

<400> 44477

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tcaacattcc caattccatg aaaaccaccc ttcaacgcct ccttcaatcc ttttactccc 180
ttggcactgt catacactct agacttcac gtccattcac caccataagg ccacgtgggtg 240
gtactgccac ttctaattac taccatgt 268

<210> 44478

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701042641H1

<400> 44478

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tcgcttatga atctttctct tcttcttctt cttgttcttg caacgcactg aattcgatca 120
atcaatccat cttcaattgc tttgtttcga tcggaggaaa atggccgatc agttatcgaa 180
gggagaggaa ttcgagaaaa aggctgagaa gaagctcagc ggttggggct tgtttggtc 240
caagtatgaa gagccgccga 260

<210> 44479

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042642H1

<400> 44479

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atcatcaatt caggggggtg aagctttttt caggggtgtg ttggaaagta tgcaatctgt 180
ttacttgaac agaaatcgta ctgctaaggc catattggac cttgttcact ctgctgagaa 240
taactcatta tgctatgatc at 262

<210> 44480
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701042643H1

 <400> 44480

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 cacctgcaaa gatcagcaca tatactattg gccctttcca atctacaaaa aatgaaaaag 180
 caaaagttaa agtgaaagtt cggttgaatg tgcattggaat tatatctgtc gaatctgcaa 240
 ctctactgga agaggaagaa ga 262

<210> 44481
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701042644H1

 <400> 44481

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<210> 44482
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701042645H1

 <400> 44482

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tcaataccct ggtatctctg ctgttattcc cggttggttc tcagaaatca gcccaatgtg 180
gcctggggag gcgcactcct tgaaggtgga aaagattttg tttcaaggga agtctgacta 240
tcagaatgtc atggtcttcc agtcat 266

<210> 44483
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042647H1

<400> 44483

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aaggcgcgag cattcgagca cggcctcttg ccaatcccgc gcctcatctt ctccgaccgc 120
acgcaaacc taatctcggt gaagcagaag cttctcgagt tatcctctaa ccagcgagtc 180
gactcggcgg caatctccga gtcactgcag atccccattg agcaagccag gctcgtcctt 240
gataccctcg cctcgattct gcactccgac t 271

<210> 44484
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701042648H1

<400> 44484

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ggcttcatcg ctgagaagag atgcgtcct ctaatgctcc gtttggcatg gcactcttct 180
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<210> 44485
<211> 264
<212> DNA
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<223> Clone ID: 701042649H1

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 aaatagcttc ccctctgagt agtggatttt ctgattatgg atctaagtct aatggacagt 180
 ctgtgggttg taaacttcga ccaaagggtc atgtaggtaa aggactgagt gaagtaaattg 240
 gaagttctga tgttttaggt gaggc 264

<210> 44486
 <211> 263
 <212> DNA
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<223> Clone ID: 701042651H1

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 ctcaggctga agacatcatc aaagaacaag tcaagcttct ctacaagcgc cacaagaaca 180
 ctgctttctc ctggctcaga aacatcttcc atgactgtgc tgttcagagt tgtgatgctt 240
 cactgttgct ggactcacia gaa 263

<210> 44487
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042652H1

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 gcggtttgcg gctttgatcc cggcgagctg cgactttttg tgtcagagag tgaaaatgag 180
 acgggacttg aatccatttc gtcggttaata gaggaacggg attcgaagaa gtttgtgtgg 240
 gagaatggtt gcttgcttca ctgtgagctt ccaatta 277

<210> 44488

<211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042653H1

<400> 44488

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 caaccgatca tgttctagac ttctctctct cagctggaga tgattcaaca aagtatagct 120
 tctaaatttt gtgagtatag tctgggcaat tgtaaaatgg acttgcctaa tcgtgataaa 180
 caactgactg ttgctgtgaa gaagacagca ttgagagatc tgcaaaatga taataaaatc 240
 atggtgccaa ccctgttga ag 262

<210> 44489
 <211> 265
 <212> DNA
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<223> Clone ID: 701042626H1

<400> 44489

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 ctaatccctt tcaatttccc catttttttc cccatttttt ttctaataa atcagatatg 120
 taaaatccta atttctctaa ccctaacaaa acccccaaaa ttcaaagaag aagctggaga 180
 tctgcgcgag ttcaagatcg tcggaggag gagagatcc agtggatgat gatgagagaa 240
 agaggaagcc aatggagtca aaccg 265

<210> 44490
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042591H1

<400> 44490

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 tcacaacaga caccgtcgtc gttgtcgtca tcatcaatgg caccgaagca gaccaaggct 180

002250.ETFE56

gagaagaaga tcgcttacga tgcgaactgt gcgacctaataat ggaggagtac ggccagatcc 240
tcgtttgtgaa ctctgataac gtgg 264

<210> 44491
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701042592H1

<400> 44491

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agagtgggagc caaagaggct tttgggaacg acgtcgttgg gcgttagggg tccggcgagg 120
ctgtaccacg agaggggttg ggatcactac gacaaccccc ggaacgttgg atcgttagac 180
aagaacgacc cgagcgtggg gacgggtttg gtgggggcac cggcgtgcgg cgacgtgatg 240
aagctccaga ttaaggatga cga 263

<210> 44492
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042593H1

<400> 44492

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ttggcttcag tgataaattg tcagcatcta tttcaagggt tcgtcttttt tgtgcctttt 120
ttccccaga aattcataaa ttctggaag ttctccgctc gatttgtgca ttgaattggg 180
gccgcattta ctctacgaat tgaacaagggt ggcattgatgc gatgagatga tgttctatga 240
gggtattctc agtgaacac t 261

<210> 44493
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042594H1

<400> 44493

tgtaattgta gagccaccac aatcgctacc cttggctgca agtgtaagcc taagcctgag 60
 acataccata gagaaagtga ttcaattaat atattatatg gtgtttctct tcaattccca 120
 tggagcctaa gacacaacct caagcgaata gtcctccacc aaaaccttgg gaacaagcgg 180
 gttcctcttc tgggccagca cctttcaaac ctccgtcagc tggcaacaca agtgatgtag 240
 ttgaggcttc agggactgca aaacctgggg a 271

<210> 44494
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042595H1

<400> 44494
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 tcagggacct aagtctagct gctaataagac tcgcccacatca tgccatcaaa cttggtggca 120
 ttggccttgg agcctctttt ttccgattgt ttgctgccat tgctgctatt tatctgttga 180
 ttttgatcg tacaaaactgg aaaacaaata ttctcacagc actactcatt ccatacattt 240
 tcttcagctt gccttcatta attttcg 267

<210> 44495
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042601H1

<400> 44495
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 tcttcactgt ttcaatagcc gctgaatctt ccagctcatg ccccatggat ctcaactatg 120
 ttgagacctt tccatgggac tcttcacct gcagagaccc tggtgacaag aaccactgct 180
 gccagtcctg ctaagtgtaa ttggcatagg actttcccaa catctcaaac aaacttcctt 240
 gtttcaactt cccaatgaaa ccatttcctc caattg 276

<210> 44496
 <211> 273
 <212> DNA

<213> Glycine max
 <223> Clone ID: 701042602H1
 <400> 44496

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 gagttcgaat cctgtgagct ttcaatatga cgtcgttctt gaagcctgag aatgctctga 120
 aaagggcgga agaattaatc aatgttgggc agaagcagga tgctttgcag actcttcatg 180
 acctcatcac ctcaaaacga tacagagcat ggcagaagac acttgaaagg attatgttca 240
 agtatgtgga actttgcgtc gacatgcgaa aag 273

<210> 44497
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042604H1
 <400> 44497

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 acctttcggt tccttctctt tgttgettct ctttctcaac caccctctcc tttccctctc 120
 aaccaaccct gaagggaaacg ctctgcatgc tttgagaagc aggccttctg atcccaacaa 180
 tatgttgcag agttgggacc caacactggg taatccctgt acttggtttc atgttacctg 240
 tgactccaac aatcatgtga ttcgcttag 269

<210> 44498
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042605H1
 <400> 44498

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 atcgttctaa tccacaaaaa atgaccttaa attacaacat tgccctcgcc ttctctgcgg 120
 tgctcacgct gctcctcttt cccctactga ccgtagggga gctcgtggag gagcagccac 180
 tagtcctcaa gtaccacaac ggccagctcc tgaagggccg catcaccgtc aatctcatct 240

ggtacggcac cttcaccccg atccaacgg

269

<210> 44499
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042606H1

<400> 44499

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ttccgagccg tctcctctc cgccccccgt gaatgctgac gcttccggga gctccggcac 180

cgctccggtg gaggattgtg acggagaggg cggcggcgag gaggagccgc tgatccagat 240

ggcggagtgc cgcattctgcc aggaggagga 270

<210> 44500
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701042611H1

<400> 44500

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caaatgggag aggaaaaaga gcagcctaag aatgaaaccg agaagaagcc cgaggaggcc 120

gccgcagccc ccaagaaaga cgacggaccc atccctgtcg tttacaagct cgacttgcatt 180

tgcgagggat gcgtcaagaa gatcaaacgc acatgtcgcc acttccaagg tgtggaaacc 240

gttaaggcag atctatcgct gaacaaag 268

<210> 44501
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701042612H1

<400> 44501

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cttactctgc tggggttatg gctgctgaaa attgtgagag ctatatgtta gagaaactag 120
gccacgcaga aaagctatct ctagcttctg ttaggcatga aatgcttgaa actcttatac 180
ctcttcagat ctcgaggatg tgatttgttg gtgctcagta gcttttagac aatgattctg 240
cataatgcaa tggcaaaata tttgcca 267

<210> 44502
<211> 271
<212> DNA
<213> Glycine max
<223> Clone ID: 701042613H1
<400> 44502

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cttgttcttt tgcctattg gggttcttag tcatgccatc accaaagaaa tgactaaaag 120
tgccagaaaa aacaagcaca gctctataga gggcacctac ttgctttccc acataaccaa 180
aaaagtaact taatttaaaa acttgaacat gaatttctga aactcttaaa cttcatgttc 240
aagtttttaa cttaagttac ttgtaatttt g 271

<210> 44503
<211> 272
<212> DNA
<213> Glycine max
<223> Clone ID: 701042614H1
<400> 44503

aattttcaaa gccagacaga caaacatgtc cgagaatatt gagtccaatt ctccttcgct 60
ttccctcttt atctgaaagg tatggagtgt tttgacttct ggaagagata atgggtgcagt 120
gcctatccgg attaaagcat ttgtgtgctg ctctggtaaa ttgttgtgat gccgattcgt 180
caaagcaacc tacaggttta gaaaatccag aagttcttgc aagagaaaca gtgttttagtg 240
taagtgaagat tgaagcgctg tatgaattgt tc 272

<210> 44504
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701042615H1

<400> 44504

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 ttcttctgtg gagatcttgt tttttcatct cacttttctt ctaattaagg aacaagcttt 120
 ccgcagttga aaaccctagc tagctagctt ccaccaattt gaatcaccaa tggctcgcgc 180
 tttctctaac gtcaagggtc tctctgctct tgtggccgac ggattctcca acactctcac 240
 caggcgtggg tacgcagcag cgacacaaag cgc 273

<210> 44505

<211> 98

<212> DNA

<213> Glycine max

<223> Clone ID: 701042616H1

<400> 44505

ttgcagggga gatttgagtc tgacacagag ctttccctct tgcaagtgat acaataataa 60
 tcccaaagat acatagaaaa catagatcac aattcaca 98

<210> 44506

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042617H1

<400> 44506

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 gggtgctatc aagttgatca gtcaaagtgt gctatcaagg agcattttgg aaaatttgat 120
 gatgtcctag aacctggatg tcattgcctg ccttggtgtc ttgggtacca gattgctggg 180
 agtttgtcac tgcgtgtgca gcaacttgat gttcgatgtg agacgaaaac caaggacaat 240
 gtctttgtca ctgtggttgc atctgtgc 268

<210> 44507

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701042618H1

<400> 44507

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ccaatgacat ctacctcaaa ttacttgta agctttatcg attccttggt cgaaggacag 120
acagcaattt caatgctgtg atactcaagc gcttggtcat gagcaagggt aacaagcctc 180
caatttcttt gtcaagggtta attaagtata cgaaggggaa ggaggataaa attgctgtag 240
tagtggggac tgtaactgat gatatcagag 270

<210> 44508

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701042619H1

<400> 44508

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ctcctagacc tccctctccg agggctcctt ctccaaggcc tccgtctcca agggctgctt 120
ctccgagggt ggcttctcca cgagttacct ctcccaaagc cgcgtcttcc cggattgctc 180
atcaccacaa ggaggttggc tacagaccag agccaacttt gaggcaacag catgccacag 240
ctactaagat ccagtctggt tacagaggc 269

<210> 44509

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701042620H1

<400> 44509

gaaagatgca accaatgatt ttgaggatat tggtcacagc accagcgccg tagccatgat 60
ggatgagttc tatgttgag acattgatac atcaaccatc cccagcaagg ttaagtacac 120
tcctcaaaaa caacctcact ataaccagga caagatgccg gagttcatca tcaggatcct 180
ccagtttcta gttcccttgt ttatcttggg tttggcagtt ggtattcggt tctacaccaa 240
atcaacataa tcatttaact gcaagagca 269

<210> 44510
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042621H1

<400> 44510

ggatgagcat cggcttcttg tttatgaatt tatgoccaaag ggtagcatgc aaaatcatct 60
 attcagaaga ggttcttact ttcagccatt ctcttggagt ttgcgaatga agatagcact 120
 tggggctgca aagggccttg cttttcttca tagtacagaa cctaaagtca tataccgtga 180
 ctttaaaact tcaaatactt tactcgatac aaactacagt gccaaacttt ctgattttgg 240
 cttggccaga gatggctcta ctgggtga 267

<210> 44511
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042624H1

<400> 44511

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 tccttctcgc tttgttgact tcttggcacc ttttcttgc tacaatcattt tttcaatcaa 120
 ccttctcttc ctcaacgcac ttcaattctt ctttttctgc gtacgttgga gtcttggagc 180
 gaaccttcaa ttcaattctt cctagcgggt tttctaacta ggtgggtggtt cttgttaaaa 240
 gctgccatct gggttctgct accgttg 267

<210> 44512
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042625H1

<400> 44512

gcttcttgca agaagtttct gagcttttat atcctctata tatagttctc tggcaattaa 60
 ggtctcatcc aaataagcac aaatgggtag ccagagttac ttcaaggctt tgattatttg 120

09531113.032200

ccttatagca ctaattggat caactcaagc tcaattgcag cttggtttct atgccaaaag 180
ttgtccaaag gctgagcaaa taattctgaa gtacgttggt gagcatatcc acaacgctcc 240
atcactagca gctgctctca taag 264

<210> 44513
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701042590H1

<400> 44513

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atgccttaca tgggagaagt tggtcctttc aaaaactatc ttaccgata tactactccc 120
tacttggcct ccaatagctc cagtccctc tggtatgcag ttaggcgtgc gtctgctcat 180
ataattgtgc tatccagcta ttcaccattt gtgaaataca ctctcaata catgtggctt 240
aaagaagagc tgaagcgagt tga 263

<210> 44514
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042557H1

<400> 44514

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ggttgctatc aagttgatca gtcaaagtgt gctatcaagg agcattttgg aaaatttgat 120
gatgtcctag aacctggatg tcattgcctg cttgggtgc ttgggtacca gattgctggg 180
agtttgtcac tgcgtgtgca gcaacttgat gttcgatgtg agacgaaaac caaggacaat 240
gtctttgtca ctgtgggtgc atctgt 266

<210> 44515
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042558H1

<400> 44515

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tctgaaaaac ctgatttctt ctcttcttct cttctctttc gcttcgatct tcgatctctg 120
acaatgagag attgcatctc aatccacatc ggtcatgccg gtattcaggt cggtaacgcc 180
tgctgggagc tctactgcct cgaacacggc attcagcctg atgggcagat gccatgtgat 240
aagactgttg gtggaggtga tgat 264

<210> 44516

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042559H1

<400> 44516

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aaacttagaa ggatttttcg aaagccaggt gttttcagaa acgagatcca ggttttattg 120
tcgaatttcg ctagtcaaata taattttcat aattattttt ttctttgaaa ccagccaaga 180
gggttatttt tgatccctca aagctaattt ctctctctct ttttttattt ccgggactga 240
agaggttgtc tatttgaaat ctctt 265

<210> 44517

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701042560H1

<400> 44517

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gatgccttcg ccgacgactt gaacgtcaac tcttcttcca ctgccagca cgacgatgac 120
gaggacaact tctctggcta cggcggctac tcttccttca ccggaggatt ctccgccgac 180
ggagatgtcg ccgtcgatca ctccgccgcc gcgtcgccgg acatctacgg cttcactgat 240
tcgaatcccg cttactctca gtctcccttc 270

<210> 44518

<211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042561H1

<400> 44518

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 gacgcagact gcacccccat tccctgatgt tcaagttttc tcatcatctg aatacaccct 120
 tttcaatctt catctctctt cacacacata catcaggcac ttctatcaac aacaacaaaa 180
 gagtgtgaga tgttgtaaata tctctaataat gtgtctttga tttttacata taagaaaaaac 240
 aacacacact tctaccaaata tttgctctaa 270

<210> 44519
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042562H1

<400> 44519

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 aatgaggaag agtgggatga tgtggaaatt ggaatacctc gtgctgcttt gaactgcacc 120
 agttcccatc ttgcctatgg acatctgatg gttctgttcc aaatgacaat ctccctgcta 180
 gtggatgtac tgggtcagca tccatatcat gtctatcagg atcactgcct tctcctggag 240
 gtctataatc ctgggtca 257

<210> 44520
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042563H1

<400> 44520

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 tgggatcttt cagaagctgg tgggggtgag gtttctgaga atacagacca aaggcaagta 120
 tccttagacc aagatcagag ctcaatgctt aaagtgattt gtaatcaaag agatcgattt 180

002250" ETTT560

aggacccgct tgcgagagac agaagaggaa ataaggcagt tgaaggagca gattggggta 240
ttaacagtgg aact 254

<210> 44521
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701042565H1

<400> 44521

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atgataaccag gggaaagacc gttacttgca aagctgccgt ggcatatggt cctggagagc 120
cctttgtggg ggaacgtggt cttgttcac ctcctcagaa aatggaggtt cgaatcaaga 180
tcctcttcac ttcaatctgc cacaccgatc tcagtgttg gcaaggcgag aatgaggctc 240
aacgtgcata tcctcggatt ttcgg 265

<210> 44522
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701042566H1

<400> 44522

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attgcttggt gggggcaatt cgattcgatt tcgcagagta gaatgtttgg gacggcgatt 120
cgatgtttgg cgaagaaacc gaagccgaag atgggacccg tgatcctgaa aacgccgccg 180
gagcagaggc agacaatcac aagagacctc ttcgatataa ttaaggagca tgggtccatc 240
actgttgcta acacctggga acgtg 265

<210> 44523
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701042567H1

<400> 44523

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 cttcacttct gtgacggcac aatccccagg gccagaatct tcatcactcc acgacacctt 120
 ccttcaatgc ctcaccaa atacacaacaa ctctcatct caactctcca acatagtctt 180
 cgctaacacc aacccaagt tccccactgt cctccaaaac tacatccgaa acgcgcgttt 240
 caacacctcc tccaccccaa ag 262

<210> 44524
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042568H1

<400> 44524

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 tcctcaaccg aatccctgag atttgaaatc caatccgggc acaccaa atg catctccgag 120
 gatatcaaga gcaattccat gaccgttggc aagtacaaa tcgttagccc caacgaggggt 180
 caacctctgc cagatgccca cagattcacc gtcaggggtga cttcgtctta tgggaacaat 240
 atcactacgg ggatcgcggt caga 264

<210> 44525
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042569H1

<400> 44525

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 gtgttctact gcaggatttt actggagtcc ctgctgttgt tgacctggct tgcattgcgtg 120
 atgctatgaa taagcttggc agtgattcta ataagattaa tcctctgggt cctgttgatc 180
 ttgtcattga tcattcagtt caagttgatg tagcaaggtc agagaatgca gtgcaagcca 240
 atatggagct tgagtttcag agaa 264

<210> 44526
 <211> 266

002220"CTT560

<212> DNA
<213> Glycine max

<223> Clone ID: 701042570H1

<400> 44526

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ttaacatggc ttccaaaact tgctcctccc ttgtcttttt cctcacactc aacctcgttt 120
tcttctcact tgtctctgca tgtgggtata caccatgccc tgggtccaaac ccaaagccaa 180
ggcccaaccc caaccctaac cctaacccca gccgaagtgg ctcggtgcccc cgtgatgcac 240
tcaaactagg tgtatgcgcc aatgtg 266

<210> 44527
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042574H1

<400> 44527

gtgccaccgt atcccttata caagcgcatt gcttcagctc tgttgaggtg catggaatct 60
gaaacatttt gtaggatagg cggcaattta gccatgacca atgaatttga agattcttcc 120
attcagcaga agcgtgatga gtggcacaaa ttgattgtag agaaggggtt tgaaatagag 180
aatatttgaa gaatgttttc tttgaacttc atgtgcaaga gccttctttt cacagctaaa 240
tgatggccta aaaccaattg aagg 264

<210> 44528
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701042576H1

<400> 44528

ggaaaacggt gtagagttca cagacttacc cgtcaagaga cctagagaag aagaagaaga 60
agaagaagaa caaaccaatg gagtctccaa cgacgccgtt tcaacgctac ccaatgaccc 120
tcaataccct ggtatctctg ctgttattcc cggttggttc tcagaaatca gcccaatgtg 180
gcctggggag gcgcactcct tgaaggtgga aaagattttg tttcaaggga agtctgacta 240

002220" ETTTCS60

tcagaatgtc atggtcttcc agtcatca

268

<210> 44529
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042577H1

<400> 44529

ctcgagcgtc tgggttgaat tgtatggaat ggagggtag ctaagaagaa aataggagag 60
ggttagtttt taggggctgc ggaaaaaaga tagtgagtgg tggccaatgg gagcggagag 120
gttttccac gaccatgctc ccttgattct gggctccag ccatccgcc ttggtcgacaa 180
cgttgccacc gtcgattggc ccttgctcca tcgcattccc ggcgagcgcg gtggctccat 240
ccctgtccaa attgaagaac tggaat 266

<210> 44530
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042581H1

<400> 44530

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acaaaggaag ggggttagggg gtgacctgag atcaaaatgt tgcggaggct tctctcttct 120
cacctcaaaa ccctagcctc ctccgccgcc gccgccgcca ccgccactcc ccgatctgct 180
tccgcctccg ccagattcgc cgctctctct cgctcctgcc tctacttctc aacccaatcc 240
gaggatgcta ctgcgatcaa aaag 264

<210> 44531
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701042582H1

<400> 44531

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ctttctctc tctctctcta cgctttctcg tttgagatcc ctcaagggat ccactaactg 120
aaggagcaat ggggttgaca ttaccaagc ttttagccg gcttttcgcc aagaaggaaa 180
tgcaattct aatgggttgg cttgatgccg ctggttaagac caccatcctg tacaagctca 240
aacttggaga gatcgta 258

<210> 44532
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042585H1

<400> 44532

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tcttgattcg agcatttaac tgggtggttg gccaatctca ctgggttgat cccagtcgg 120
aaactgacaa ctatgagcag cactctttaa aaccatattt caagtatata aagtttttga 180
atgaagtaag ctaaaagaag tactatggag accaagcgct gcaacttctg gcttccctaac 240
aaaaacagat tttgtgcaaa ctgc 264

<210> 44533
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701042586H1

<400> 44533

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atgagcccta ttatcttcat gcaaagcaca tgtacaactt ggacaggatg aagcaccagg 120
ggttgaaaat gtcccttget gtattcactg ctttcagcat tgggggttgca gttccagtgt 180
atgctgtcat tttccagcaa aagaagacag cttctagcta ggctcgtctt ttacttcca 240
tttgcaacaa taaggtggat ttg 263

<210> 44534
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701042587H1

<400> 44534

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 ggcatccagc ccgacggcat gatgccttct gactccacct tcggtgtagc ccacgacgcc 180
 ttcaaacacct tcttcagcga aaccggatct ggcaagcacg tcccccgtagc tgtcttcgctc 240
 gacctcgaac ccaccgtcat cg 262

<210> 44535

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042588H1

<400> 44535

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 taaacccccca accccacgca cactctctta gttctctctc gtttgcatth gcattgcttc 120
 ctacattttc tttaccttct ctctgtctct tccatactca catcatgtct cgcttggctt 180
 ctaacctcgc ttccaaagca aggattgcta ggagtagcag cctacagatt ggatgtaggc 240
 tgagtttgag cagaaactat gcggc 265

<210> 44536

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701042589H1

<400> 44536

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 acttactggg acacaagttt tttcaaaccct accactgacc aaccaattta ggtgtttgaa 120
 taaagcagct gtaataatgg agggggagca aaaccctgat gggagtagag caaataagtg 180
 gaaagttgtc agcatccaac aagtggaaga tgtgaagtgc ttggcaagga ttttcccaat 240
 ttgggctgca gggatcctag gatt 264

<210> 44537
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042556H1

<400> 44537

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 ggtaaacttg tggtaagga ggcagctaga gcagtgagt aacgtgatga taaattgctt 120
 gccgagcaca tggctaagct acgccaagat aatgaagagg tcagtgggtga tgaagacagt 180
 gaggaggaag aagatacagg aatgggagag gttgatgtgg ataatgggtgc cgggataaca 240
 gagtgacaaa aaacgtgtgg gtatagt 267

<210> 44538
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042524H1

<400> 44538

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 cagacttttag taacattatt aattcagtc attccctatg tctagaatac atttatactg 120
 ggtgtgaggt ctttggcgtg taatcaaatg gtgaacattt gatattatta gtgggaaatc 180
 cttcacttta ttaagtcgta acgttggtta ttgtcatcca tgtttgtgct cttttaatgt 240
 caaataatgg aatatcaagt aggaag 266

<210> 44539
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042525H1

<400> 44539

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 gctgggagcg aacaagttcc cggagagaca gccgattggg acggcggcgc agagccaaga 120

cgacggcaag gactaccagg agccggcgcc ggcgccactg gttgaccga cggagtttac 180
 gtcattggtcc ttttacagag cagggatagc agagtttgtg gccacttttc tgtttctata 240
 catcactgtc ttaaccgtca tgggagtcg 269

<210> 44540
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042527H1

<400> 44540

taagaattag ggcgaactgg tcataggtgt gaagtgaag agagattctg cgtgcaggaa 60
 gagcgaacat agtgagtgtg gcaatggcgg aggagcaaag tgacttcagg atttacaatt 120
 ccatgactca gcagacagag atcttcataa ccaaagtccc cggcaagggt tccatgtacg 180
 tttgaggagt cactgcctaa gacttcagcc atctcggta cgctcgcgt gcggtttctt 240
 tcgatatcct cttcaggtag cttaagca 268

<210> 44541
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042528H1

<400> 44541

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 cagatattaa agaagaaacc aacagagttt ccattctcgg tatctcttct ctgatcagg 120
 tgacaacttg acatagcaat cctgctttct tggttcccca tttccatgtt tgtggattct 180
 tcctgattca aaggcaatcc attgtgtctt cttagctcag ttttgagctt caaaagttac 240
 aacttgcaac acaaatttct atctgtaact t 271

<210> 44542
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042529H1

<400> 44542

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 ggagctgctt aatcaactcg atggatttga tcaacttgga aagggttaaaa tgataatggc 120
 aacaaaccga cctgatgtac ttgaccctgc tctcctgcgt cctgggagat tggatagaaa 180
 aatagaaatc cctctgccta atgaacaatc aaggatggaa attcttaaga ttcattgctgc 240
 tgggaattgcc aagcatggtg aaatagacta t 271

<210> 44543

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 701042530H1

<400> 44543

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 tgggtctagct cc 72

<210> 44544

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701042531H1

<400> 44544

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 cttcctgcat gttgtgtatc gtgttggtga tcttgatcgc accattaagt ttataactga 180
 atgttttggg atgaagcttt tgaggaaaag agatattcca gaagagaaat atgccaatgc 240
 ttttcttggg tttggccctg aacaatccca tttt 274

<210> 44545

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 701042532H1

<400> 44545

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tactggagca aaacgcgggt gtgtgtgact ttcgttcgat agagatgcag ttccattcag 120
a 121

<210> 44546
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042533H1

<400> 44546
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ggttatatac ctggaattat ctatgctgtc tatgctatca ccaagtgatc accctttaac 120
tttgtgtgga caataaacia atgtcatggg cgtttctgtc tttcaactca gatattagt 180
tttctttaat atatcgccaa tgttgtcata ttcttatgtt ctgtttttaa aacccttttt 240
gttcttagct taagcgagag tggagtgtgt a 271

<210> 44547
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701042535H1

<400> 44547
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tcggtggaaa actctgcgac gccctcgtcc ggcaagggtta ctctgtcagg gttctcgtaa 120
gatccaccag cgatatctcc gccctttctc cgcacatcga aatcttctac ggcgacatca 180
ccgactacgc ctctctctcc gccgcctgct tctcctgcac tctcgtcttc caccttgccg 240
ccctcgtcga accctggctt cctgate 267

<210> 44548
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701042536H1

<400> 44548

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 aggaagaagt tgaagtacac tcgcccatac ctgattgaat tgatgttctc agacaacatt 120
 caaatctcaa atctaactct cctcaattcc ccatcatgga atgttcatcc tgtttacagc 180
 agcaatatta ttgtgcaagg catcaccatt tgtgctcctg tcacatctcc taacactgat 240
 ggcatcaacc cagattcttg cacaatg 268

<210> 44549

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701042537H1

<400> 44549

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 ggagtggcca gatgttactc cggttcctca aaacgacggc cctaaccctg tcgttccgat 120
 ccagtacact gaagagtttt ccgaagttat ggattacttt cgcgccgttt acctcaccga 180
 tgaacgtcc cctcgcgccc tcgctctcac agccgaagcc gttcaattca actccggcaa 240
 ctacactgtg tggcatttcc gacggtt 267

<210> 44550

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042538H1

<400> 44550

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 aagttcatct gttctcttca tcacccgagt tgcttgaaaa gttcatgaa aaatggagtt 120
 cagtggagaa accaccatac ccagctatgt atcctagtagt ttatggaggt atcatacttg 180
 atccagcaat gatggtaatc cccattgatg atcacatggt tcacagaggg catggtgtgt 240
 ttgatacagc tattgttcta gatggata 268

<210> 44551
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042540H1

<400> 44551

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 gcaaaaggtg ataactgatg atcgttgcat gaaattcaac tctttgtcct ttgggtcaatc 120
 atggaaagac aatgagaaaag aaccacattt tgtttctgat gggccagggt taaagcagat 180
 caaggagcta atattggttt acttatgctt aaaggccagc aaatagttca tatagtactt 240
 gtgatgctac ataattagga agttca 266

<210> 44552
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042543H1

<400> 44552

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 cttgcttctg gaatctcaac aacacctttt gctctctctt ggctggatca gtcgccgtta 120
 ctcaagaaac ataacatata accaagggtg tggacaagggt tgtggaggag gctgaaaaag 180
 tgaagaagga atgggatgaa acatacaaga caacgcaaga gcacattgag gcaattgcag 240
 agtatggaaa accaggaaga gcaaaag 267

<210> 44553
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042544H1

<400> 44553

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 accaaggagt ggaaattggc acttagcaca aaagaggtgg aagactcata tcgtttaagg 120

gtcgtgag gctggtacat acaacgtgcc gaatctctgt ccctgggacc ttaccaagaa 180
 ctgatgaaaa ggcctcatct aacatctcga gggataagaa gacagttcca gaagcagatc 240
 ctccgagtat caaagacgtt cagcttttgt a 271

<210> 44554
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042545H1

<400> 44554

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 tacgtgctac tgctcctgat gaccaggtgc ctgaactttt aggaaagctg aatgaatgga 120
 atgccactgt tattttctaaa gaaggatctt ctgctgttat ttttgaattg gaacctgggc 180
 tatataagga ttgtcatgac ttgtttatga ataagatgca tggaagattt gaagttcttg 240
 cacactctct ttatgtggag ggggata 267

<210> 44555
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042547H1

<400> 44555

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 cacatgcaag aaagacacaa aggaggctat cattgaggcc gtgaaacagg gttacagaca 180
 cttcgacact gctgctgctt atggctctga acaggctctc ggtgaagctc tcaaggaagc 240
 tatccatctt ggcctcgtct cccgccaaga cct 273

<210> 44556
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042548H1

<400> 44556

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acgaatattt gtgtacttcc tcttttgtgg gtagattcaa tttaccatgt cgagttcatc 120
ggacatactc tcaattttcc ggccagaaac cggcgatgtc gccggagaaa tcgagcttct 180
ctcagacttg tagcctgttg agtcaatata tcaaggagta gggtagcttc ggagatctta 240
ccctcggaat gacatcatgt gggtcactga gac 273

<210> 44557

<211> 111

<212> DNA

<213> Glycine max

<223> Clone ID: 701042549H1

<400> 44557

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tgaagttgag agtttaagaa gaacaagaaa tgggggttgg ttcccaggat g 111

<210> 44558

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042551H1

<400> 44558

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ttgttctcta gatttcttct ctcttgtttc ttagaatccg tacaatctaa tcaacataac 120
aaaaatggat gcaattagtt gcatggatga gagcaccacc actgagtcac tctctataag 180
tctttctccg acgtcatcgt cggagaaagc gaagccttct tcgatgatta catcgtcgga 240
gaaggtttct ctgtccccgc cgccg 265

<210> 44559

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042552H1

<400> 44559

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gctctgtggc tatgtggtgg gatgaacaca agaatttggg ttctgaagtc agttaccagc 120
atatttgcaa ttatagatgg aatcaagaag tggctggggg tgaacaaggt gaaattcaac 180
ttgtcaaaca aagccattga caaagagaag ctcaagaaat atgagcaagg taggttcgat 240
ttccaagggtg cagctgtgtt catgg 265

<210> 44560

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042553H1

<400> 44560

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aactaaggaa tggtaacaaga aaacggtagg caccttcagt tgaaccttat atttatgtag 120
ttgttttggg ttgaaaaata atcgattaaa atgcacttga cattatgtga ttgatagacc 180
tggatgtatc tggctattcc catcaccatt tatgcattgg aaagactggg tagagcattc 240
agatcgagca ttaagtcogt ca 262

<210> 44561

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701042554H1

<400> 44561

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gatagacgga aaagttgagg tggggttgga ttatatggat agtctttggt gcttcagctc 120
tttcagtcag gtggttgagg ggcgttcttc atgtaactct ggcaaaggca agagcagtca 180
gtcctcagtc aagtatggct atagcctagt taaagggaaa gcaaaccacc cgatggagga 240
ctatcacgta gcaaaatttg tcca 264

<210> 44562
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042521H1

<400> 44562

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 gggttggtgt atgcaattgt tgtgttagga ttttctctgg aagatatgag taggtctcct 120
 tcgttttcag tgagaacaga tgtagttcg agtggtgatt cagaatcatt gcaacaatgg 180
 gttgttgctt tttgtgctat aaggtttgat cttgaacagg gccagcttgt ggaagagtgt 240
 tatccacatg ggtgtttttc ccatga 266

<210> 44563
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042555H1

<400> 44563

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 aaacaaagaa aagcaactga actagaaata gattgattgt ttcattgataa aaaggcctca 120
 tgccttgtct cccttttgat caagcgtgac aaacttgat ttttttttat tattgtaaat 180
 caaaaagttc cctttctttt tgttatataa taatttgga aaaaaaaaaac taaaaggcat 240
 ttttatttgc atcttctttt ct 262

<210> 44564
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042379H1

<400> 44564

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 tattgaggta gatgatctct tgcctttcga tgtgaagggt gtgtgggaat ccatggaaga 120
 gtgccagata cttggactca ccaaagccat tggagtcagc aacttctctg tcaagaagct 180

tcagaatctg gtctctgttg ctaccatccg tcccgtgggc gatcaagtgg agatga 236

<210> 44565
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042381H1

<400> 44565

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 ctgctacatt ctgctccagg gaaacacagt tgctgctatg ggttcattca aaggcttgaa 180
 gcaagtcaga agaattgttg aagaatgcat gctgaataga atgcatcctg tataacaacat 240
 taaggttc 248

<210> 44566
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042383H1

<400> 44566

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 gcagcaggat acctgccagt gccagatttg caagttccgt tgccacacaa caatcctctt 120
 ctggtttggg tggtttattt ggatggctca ctggagaccg atccagttct ttaccatctc 180
 tggatttccc gcttcggggc gttacacttc ccccttcatt gcctgatttt gttgcgcccc 240
 gaaaaac 247

<210> 44567
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042384H1

<400> 44567

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<400> 44570

ctcagaacct tctgggggta tagcaaagaa ctaagagaga gagagtgaga aaatgatgag 60

ttcatcg 67

<210> 44571

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701042391H1

<400> 44571

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acttccgctc tcagctcagg gtattacgta gtacgtggag aatgggaagt actgaaaaga 120

tccaatcat cgctgaaagt tcagaaacca ccatcgagat aaaaattaaa acattggatt 180

ctcaaactta caccctcaga gtggataaac agatgccagt ccctgctctg aaagaacaga 240

ttgctt 246

<210> 44572

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042393H1

<400> 44572

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aatgctaccc atataatgat tgccaccggt acagggtgtg ctccattcag aggctatcta 120

cgccgaatgt tcatggaatc agtcctaca tacaagtttc gtggactagc atggcttttc 180

cttggagttg ccaacactga cagtcttctc tatgatgaag aattcagcaa atacctcaat 240

gactatt 247

<210> 44573

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701042394H1

<400> 44573

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 tttcaatcaa gccatcatca tgtctaccgc agcgcaaccc aaggccaaga aatcggcgtc 120
 gtccaagaag cccctctccc accctccctt cgccgtgatg atagcagagg cgattgagag 180
 tctgaaagag agaaccggtt cgagccaata cgcgataacc aaatacatcg aagggaagca 240
 ca 242

<210> 44574

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701042395H1

<400> 44574

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 cattaattat ttattgttc ttattttatt atattgtcat tctctgcctc tgcatagttt 180
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<210> 44575

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701042396H1

<400> 44575

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 agtgagttag cgatcatgtg tgggtgtgag attatctccg acttcattcc agcgggtccc 180
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 cgaagtgcg 249

<210> 44576
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042501H1

<400> 44576

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 ctgaacgccg agcaccactt cgcgagcttc aaggccaagt tcgccaagac ctacgccacc 180
 aaggaggagc acgatcatcg cttcggcgtc ttcaagtcca acctccgcag agccaggctg 240
 cagccaagc tcg 253

<210> 44577
 <211> 270
 <212> DNA
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<223> Clone ID: 701042502H1

<400> 44577

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 acctgagttg ttaaactttt ttatttttag aaaaaaaaaac attggacata gtaaagccat 180
 ggaagagatc accaagaacc tatcagggac ttctcttttg gtaccatcag ttcaagactt 240
 ggctaaagat aagatatcta atgttcaca 270

<210> 44578
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042503H1

<400> 44578

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 ccctgccact ggcaggccaa gaggaaggcc taagaagggt gctcgctcac cggccgtgcc 180

gtctcccacc gccgtctcca ctggaaggcc tagaggcagg cctcccaaag tgaagcctca 240
gttgacagaa gtcagtgttg agtcatag 268

<210> 44579
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701042505H1

<400> 44579

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aaaactgaga cttgaaggga agcgggttata attggtctgg ctttggacgt ttaaacaatt 180
ccgatcaaga tccaattttg ccttcccatt ttctcgtcgt ttttttgtaa cggctctttcc 240
atggcatatc ctttctctga tttcaagt 268

<210> 44580
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042509H1

<400> 44580

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ctactcaccg cgacacgttg aaggcgggggt tggctgagtt catctccacc ttgatcttcg 180
tgttcgccgg ttcaggttcc ggcatcgcct acaacaagct caccgacaac ggcgccgcca 240
ctcccgcggg cctcatctcc gcttccatcg 270

<210> 44581
<211> 81
<212> DNA
<213> Glycine max

<223> Clone ID: 701042510H1

<400> 44581

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agcatgaatt cagcatcccc g 81

<210> 44582
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042511H1

<400> 44582

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ttagcagatt tgagaggaag ggtttttact tgatagggtt gacactcgtt actgtggacc 180
gtccttttgc tgagaagcac tatgctgatt tgtctgcaa gcctttcttt agtggtttgg 240
tggattacat tgtctctggc cctgttggt 269

<210> 44583
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042512H1

<400> 44583

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tttctctctt cccctcttgt ttcaccttcc aacacttaat tagagacgac ccactttcct 180
tgcagatctt tttccaggga aaagtttgga tgttttgtgg taagagttag atgttgagtg 240
atagacggaa aggttgaggt ggagctgga 269

<210> 44584
<211> 84
<212> DNA
<213> Glycine max

<223> Clone ID: 701042513H1

<400> 44584

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gcgagaccat ttaatgagga agaa 84

<210> 44585
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042514H1

<400> 44585

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gaatgataat cttcctttta cacaatgctt tgagtctgca agacaggctg gtttgctaag 180

atatagttac tctgagtctg aagatagaga tctttatgtc actggagact tgtatgagaa 240

tgattttgtc aaacccgcta tgatcgttgt 270

<210> 44586
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701042515H1

<400> 44586

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cactactgaa accgaaaccc taaacccttg tgaataagac gaatttggtc tttcctttga 180

ttagataaga aagagttaga tttagattca gttcgtttac gcttttattt gttgtcttct 240

aattagattt gggagtataa gtgaaaccct aggt 274

<210> 44587
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 701042516H1

<400> 44587

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 tagcactttc agccccaca aaattggatg aatgatccaa atggaccaat gtactacaca 180
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<210> 44588
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042517H1

<400> 44588

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 caacgtggat gggaagcaga agataatgtt cgcaatgacc tccatcaagg gtattggaag 180
 gagattcgcc aacatcgctt gcaagaaggc tgatgttgac atgaacaaaa gggctgggtga 240
 gttgactgct gctgagttgg atagtgtga 269

<210> 44589
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042378H1

<400> 44589

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<210> 44590
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042518H1

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ttcttgcact gtcactctgtg tacttaagat gaaataaaca tctcagtgca agctcagaaa 180
 tagatcttat tctgaatact cagtgggttaa tttccatttc tattttgtaa ataatttcta 240
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042520H1

<400> 44591

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 cacatgaagg tggttgcagg gaaatagtgc cacaatattt tactattagc taccttcac 180
 ccatgagaag aggaggccct gatctgcaaa attgcccctc accatttaat atgccaaata 240
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<210> 44592
 <211> 247
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<223> Clone ID: 701042338H1

<400> 44592

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 gataacaagt cctcatctt caacattcat ccagttctta ttgttattgg cttactagtt 180
 catgggggtg aagctattat aagttacaaa gcttttcccc taaagaagga agtgaagaaa 240
 ttgatac 247

<210> 44593
 <211> 251
 <212> DNA
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<223> Clone ID: 701042341H1

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<400> 44593
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aaacaacaac ataagaaaga gccatttcct gcagttcatc acacaagaac gcattcttcaa 180
tgcatccaag cggatcttga tgctacagta ggtactagct cagggcataa tcaatattcc 240
ctcaaattgg g 251

<210> 44594
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701042342H1

<400> 44594
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cgccggtcct tcttccaaga agcccaagcg cttcgagatc aagaagtgga acgccgtcgc 180
tctctgggct tgggacatcg ttgtcgataa ctgtgctatc tgccggaacc acatcatgga 240
tctctgcat 249

<210> 44595
<211> 249
<212> DNA
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<223> Clone ID: 701042345H1

<400> 44595
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tctaaagtgc cactgctggc caagaccaat gttggtgctg gtcggttagt gcttcagcct 180
cagggctttg ctattcctca ttattcagat atatccaaag taggttatgt gcttcaaggg 240
aacgatggc 249

<210> 44596
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<223> Clone ID: 701042346H1

<400> 44596

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 taagtgggct gttcaactag gtattccaga cataatacag aaacatgcca aaccatttc 180
 tctttctgac ttgggtctcta ctcttcaaat tccaccagct aacgctgctt ttgtgcagcg 240
 gttcatg 247

<210> 44597
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<223> Clone ID: 701042348H1

<400> 44597

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 aaatgaacac gagagatcat cagatgccga aaaaaattaa ggctctcctc aacaaaaact 180
 ttgagatcca atctgaaaag attctcaaaa ccaaggaaca aattcttgaa gggttctaaac 240
 atgattgcga a 251

<210> 44598
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<223> Clone ID: 701042349H1

<400> 44598

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 aattactatt tggtgacatg tccaagctt gagaggatta taaggaagca tcttgaggat 180

0053113.032200

gtcttcgaga aggacagtgg agtagctcct ggcatacttc gactcttctt ccatgactgc 240
tttcctaata ga 252

<210> 44599
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<223> Clone ID: 701042350H1

<400> 44599

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aatggtgatg gacgtgagat tccaattgct catcgtgtaa ttaaggtaca tgaaagggaa 180
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ctgtatgc 248

<210> 44600
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701042352H1

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acatctgttg gttcttctga agatactgga tctgtaacag tggcaggatg tgttgaggaa 180
agcaccgggg gtgttgaaat gatgaacaat ggctggtttg aggatagcac ttatgg 236

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<211> 101
<212> DNA
<213> Glycine max

<223> Clone ID: 701042354H1

<400> 44601

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101

<210> 44602
<211> 96
<212> DNA
<213> Glycine max

<223> Clone ID: 701042355H1

<400> 44602

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gtatagcgag ctagctagct ttctattgtc taatat 96

<210> 44603
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701042356H1

<400> 44603

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tgtagcact gactggagta aaaagaaact aggtgacttt ctccagacta aatatgactg 120

ggatcttctt gctgcacggc caatctgggc atttggccct gataagcagg gtcccaatat 180

tctgttagat gacacccttc caactgaagt taacaaggat ctaatgaatg ccgtgaagga 240

ttcca 245

<210> 44604
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<212> DNA
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<223> Clone ID: 701042358H1

<400> 44604

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ttcacctcag ctcaactcctt ccttcatctt cctgcagctc ttctgccaaa ggtcctaata 180

gaaaagcâtc attagaagtg gtacacaaac atgggccatg ctcccaactg aataatcatg 240

atggcaa

247

<210> 44605
 <211> 64
 <212> DNA
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<223> Clone ID: 701042359H1

<400> 44605

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cctc 64

<210> 44606
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042360H1

<400> 44606

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tttgacttat aggatagatt gtgttctttt catataaaat gatccaatgt aattttgtgta 180

aaactttcta taagagtagc aattttcttg ttcttttata ttttgagctg aatgttgagt 240

taaatag 247

<210> 44607
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<223> Clone ID: 701042361H1

<400> 44607

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gtttacgtca tggtcctttt acagagcagg gatagcagag tttgtggaca cttttctgtt 240

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249

<210> 44608
<211> 249
<212> DNA
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<223> Clone ID: 701042363H1

<400> 44608

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gaaattgaga atggaatgct gtgggaagtt gaggggaagt gggttgttaa gggagcagtt 180
gatgttgaca ttggtgcaaa cccttctgct gaggggtggag aagatgaggg agtcgatgac 240
gcagctggt 249

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<211> 252
<212> DNA
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<223> Clone ID: 701042364H1

<400> 44609

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aggccatttt atgggtaccc aatttatcta tggacactgc ctatcagact aacgttgttg 180
tttaattagt ccatgcatct gcactctggg caccataaga ttgtatataa aataaattat 240
ggtgtgttgt gt 252

<210> 44610
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701042365H1

<400> 44610

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gctcaggaga atattgaaaa attggagaaa gttgtaaacg atggaaatta ttatggagct 120
 cagcaaattgt acaaattccgt tagtgccaga tatgtttctg ctacagaggta ctctgaagca 180
 ttagatatcc tacattcagg agcgtgcatt cagttgtctc atgggcagggt tacctgtgga 240
 gcagagttag ctt 253

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 <211> 249
 <212> DNA
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<223> Clone ID: 701042366H1

<400> 44611

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 ggactgttga attgcccagt ttatagcatg gttaggcgga ctacattgaa tgatagcaaa 180
 gaaagtatatt tgtaataaca ttaaaggagg cgtgtttgga ttgtagaatt gccgagttta 240
 gctgcagaa 249

<210> 44612
 <211> 246
 <212> DNA
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<223> Clone ID: 701042367H1

<400> 44612

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 gagcttagag ctctgatgga gttgaagtcc tctctggatc cagagggaaa gatccttggc 180
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 catcgc 246

<210> 44613
 <211> 71
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042368H1

<400> 44613

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aaaaattggt c 71

<210> 44614

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042371H1

<400> 44614

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aaccatgtcc cacagtcac taagtttcgc ctttgggatt ctaggtatca ttgcctcctt 180

cgtgtgcttt ctggcaccac taccaacatt ttatagagtt tgtaagaaga aatcaaccga 240

aggttcc 247

<210> 44615

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042372H1

<400> 44615

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agctaaagtt tcatgaaaag aagcttttga agaagggttaa ttttttggaa tggaagaggg 120

aaggggggtca cagagagaac ctcattatgc aacgctacca tgttactgga cgggacgatt 180

acaaaaaata ttcaggttta tgccatatgg ttcagaagtt agtaaacata ttgaaacaga 240

tggaccc 247

<210> 44616

<211> 246

<212> DNA

<213> Glycine max

002250"ETTESO

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catctcagtc atgggcctgc tatcttgttt taggtctacc gtcctgagaa aatgttccaa 120
aggaagctct ggcatgtcaa gattcctgta tacgaacaat tttcaacgaa acttgatttc 180
gtctggtggc aatgaatcgt attatgggta ttttaacagg agatcataca cttcacttta 240
tatggg 246

<210> 44617

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042374H1

<400> 44617

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gcatacacgt aaagcagttg gtttctggag tagttagagt tacatgtgtt ttgcaggcac 180
atggcaacac atgaaatgga tcccgatgtt gttegtctggg gtcttcatct cctagatgtc 240
tgcacac 247

<210> 44618

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701042377H1

<400> 44618

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ccacgagaat aagcttgatg ttaggtgcat ctagaggttt agcacggatt caggaggagt 120
atagcgcac agagatacat cagggaacgt gaaatcttcc aacgtgcttc ttgacaaaaa 180
cggcgtcgct ttaatctctg actttggcct ttcgctgctt ttaaaccctg ttcacgggat 240
tg 242

<210> 44619
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042337H1

<400> 44619

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 cttgctgtat tcattctctt gctgaaatgc agtctttcta gatagtttgt tcaactgtcc 180
 ctttattggc gttactatgc tacctactgg agcaaaatag actcaattac gtgagaacaa 240
 cagc 244

<210> 44620
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042304H1

<400> 44620

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 gtcgtttcgt tagggcacia aacccctttt cggatcggtg gagcaaggcc tcgccggcga 120
 gattcccgag gctgttact cagcgatcga gcaccggcga aaagcggcga agatgaaggt 180
 ttctgtgaag actctcaagg gcaacgactt cgaaattgaa gtgaaccctt cggacacgct 240
 ttctgaagtg aa 252

<210> 44621
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042305H1

<400> 44621

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caagaacatg attactggta cctcccaggc cgactgtgct gtccttatta ttgactccac 180
 cactgggtggg tttgaagctg gtattttctaa ggatggacag acccgtgagc atgctcttct 240
 tgctttcacc c 251

<210> 44622
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042307H1
 <400> 44622

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 cttcctctgg gatgatggcc ttcaggtttc atcctcagct gaacgctgga tattggatga 180
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 ggatttggag c 251

<210> 44623
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042309H1
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 ttctcaagaa agaaagaaga ctttatagct ctagtaaata atatgaaatt cgtttattca 180
 ttggttatat ttgtaaataa ttatttggtt tttctttgat attcttttat tctaaagagg 240
 tcctaatttg ac 252

<210> 44624
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042310H1

002250-032200

<400> 44624

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ccctcccgtt tccggcaccg atcgaacagt ctccggccaa gttcagttct tgcttgcgaa 180
aattctcgga atattttgaa tccaggaaat catgcacgct ccagttctag ttctcaagga 240
ctctttgaaa 250

<210> 44625

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701042311H1

<400> 44625

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ggtgggaggg gtggaggcgg aggtgggttcg ggcgataggg cagtgccggc gcgcgctgaa 180
gtttgctagg ttcattgagca gggtcgggaa gagttaccga agcgaggaag agatgagggga 240
ga 242

<210> 44626

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 701042312H1

<400> 44626

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ctcagcgtcc aagtgatcac cggtcgatgg atcgtcgtat tcgcctcttt tctaattcatg 180
gcagccgccc gagcaacctt catgttcggt ctctattcca gcgacatcaa aaccaccctc 240
ggttacgacc 250

<210> 44627
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042313H1

<400> 44627

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 ttaggggtgg gtgggttggtg tctcgcttag ggttccaaag tttgtcgctt tgaatggaac 180
 ctcgtgttgg gaataagttt cgcctgggtc ggaagatcgg aagcggctcc tttggggaga 240
 tctatttag 249

<210> 44628
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042314H1

<400> 44628

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 cctcttcggc gtcgtcccca acccaccccc acatcctcgc ccacgcgcag tccttgtcgg 180
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 gccctcagtc gttg 254

<210> 44629
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042315H1

<400> 44629

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 cgacacgttg aaggcggggt tggctgagtt catctccacc ttgatcttcg tggtcgccgg 180

ttcaggttcc ggcacgcct acaacaagct caccgacaac ggcgccgcca ctcccgccgg 240
cctcatctcc g 251

<210> 44630
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701042316H1

<400> 44630

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tcagcagcaa cactgtgctg atgggagcat gtggatggag agtcagggtc agcaacagag 120
ctatgccttc caagaagagt cttggagccc tgataacaac tatggccaca accacaagca 180
attcccaggc atgcacatga acatgaacaa caacaacgac aacaaaaggc ttggtgcttt 240
tgctgctgtg gac 253

<210> 44631
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042317H1

<400> 44631

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acaagttgtg ttattgtatg catgagaatt gaaggagaga ggtgaagact cattatcatc 120
atcatcatat catcgatcatg tatagcatgg attcatcatc ttctggatct cagttttctc 180
agcaccacaca actccctcca gggtttcgat tccaccccccac agatgaagag ctagtgggtc 240
agtacctcaa gaaaaaagca 260

<210> 44632
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701042319H1

<400> 44632

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 accggttaaga ccataccct tgaggtcgag tcctccgaca ccatacgataa cgtgaaacct 120
 aagattcaag acaaggaagg gatccacact gaccagcaga gacttatctt tgcgggtaaa 180
 cagcttgagg atggtcgaac cttgcccagac tactacatcc aaaaggaatc cactctccac 240
 ctctgtcttc 250

<210> 44633
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042320H1

<400> 44633

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 ctgcctcttg ttataaaagc aatcaagaga aacaaaacac gaaggcaaca cgagtgtctt 120
 tcatcaggaa cttctctaag gtacaacatc agcatggccg agatgtaccc tcaaactcag 180
 gaacatgtcc ttcagaacca gacacatgcc cagaaagtgt ttcaccacca ccataatgaa 240
 agtcacaaaa tt 252

<210> 44634
 <211> 82
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042321H1

<400> 44634

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 cagtgaagta catatatggt cg 82

<210> 44635
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042322H1

<400> 44635

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 catgcatcac ttgtaaagga aggacagaag gctcgtttgg agaaatttga gattcctgca 120
 aaaattaaat tgcttttctga tccatggact cctgaatctg gcctagtcac tgctgctctc 180
 aaactcaaga gagaggccat aaaaaagact tttgatgaag aacttttctga gttgtatgct 240
 tcataggctt 250

<210> 44636
 <211> 74
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042323H1

<400> 44636

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 gcacagaatt ctct 74

<210> 44637
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042324H1

<400> 44637

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 cttcatagc ctcatggat tcccctatgg tccctacaga caccacagca aatttcgctt 180
 tgctactaga ttctgagcac aaggcaaaaa ttttcaagct tgtttcotta gctaaccctc 240
 acgtgagaac 250

<210> 44638
 <211> 105
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042326H1

<400> 44638

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<210> 44639
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042327H1

<400> 44639

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 ggcggtcgtc gcaacttccc gtcgaaatttc tggaaccctc gcctcaatcg aagctcgtca 180
 tcggctttga ctgcgagggc gttgacttgt gccgcaaagg cactctctgc gtaatgcagc 240
 ttgcgtttcc 250

<210> 44640
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042328H1

<400> 44640

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 catttcggtt ctgaccttat caatgattgc tttgttaaca atcagcagca gccctttca 180
 tctcctgcaa acccttttga tcagaacaac aacaataata ataatgatgc tgtgaatgtc 240
 tatgatcca 249

<210> 44641
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042329H1

<400> 44641

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 aggttgagga ggatggtgaa ttgctgtgt ccatcttcag cgtgccaaag ctccttatgg 180
 caagtgatcc agactcttat gtccctcaac aggttgcaat tggccctac cattattggc 240
 gtccagagct 250

<210> 44642
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042330H1

<400> 44642
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 tgggacaagt acttcattac aacaaaatgc taccagtcac caaaaaaagt ttccaaatag 120
 ttctttacta cctgataatt ttctttttcc caaaaagatt gttactgatg gggacagggg 180
 ttatctacaa acaaagtatt cttcagacag gaatcacagt ggtccgttgc aatatcggca 240
 gaagagagac a 251

<210> 44643
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042331H1

<400> 44643
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 gtggcaaccc cattttccca ggtggcacat attacattat gccatcaact tggggcgctg 180
 ccggtggtgg attgaaacta ggccggacag gaaactcaaa ctgcccagtt actgttttgc 240
 aagattactc a 251

<210> 44644
 <211> 250

002220" ETTTSS60

<212> DNA
<213> Glycine max

<223> Clone ID: 701042334H1

<400> 44644

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ggcagaagca caggttctcc gcgtcagcca tggccgatga cttcgacttc gcggataaag 120
ttcctccttc attcgatcgc gtgggaaatg tgatcaagga ttctggatcc aaagggttca 180
atccaggatt aattgtcctc ctggttggtg gtgggttggt gttgacattc ctcattggaa 240
attatgtgct 250

<210> 44645
<211> 72
<212> DNA
<213> Glycine max

<223> Clone ID: 701042335H1

<400> 44645

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aagccattcc ac 72

<210> 44646
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701042336H1

<400> 44646

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ggatggagga agctgcttcc gctggattaa agagcatgga gcatccctt cgactccttt 120
ctccaacctc ttctactccc aattcttctt cttctcctct totcaatacc aatcccaaca 180
acctccactg ctcccaaadc accgacttca ccgtctccaa cttcaaacaa gtcatacaacc 240
ttctcaaccg c 251

<210> 44647
<211> 74

<212> DNA
<213> Glycine max

<223> Clone ID: 701042302H1

<400> 44647

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agtgaggtgc ccat 74

<210> 44648
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701042268H1

<400> 44648

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gtgaagtcta taaactttct cctgcttctg tctctactag cctttgttcc ctctgtcac 120
tgcaaaaaga aaataggagg ttacctctac cctcaatttt acgacggttc atgccccaga 180
gctcaagaga ttgtccaatc catcggtgcc aaggctgtgg caaaagaacc ccgcatggct 240
gcttcgttgc tcagactaca tttccatgat tg 272

<210> 44649
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701042269H1

<400> 44649

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agaagaacaa cgacgatggc gatggctgca gctctgcgtc gcgaaggaag gcgtttgatt 120
caaccaatca acgcccctca ctcttctctc aattcctccc tcattctctca agaccaagcc 180
tctcatggcg cgcgctccat ttccactcaa gttgtgaggc accgaatgaa gagtgtgagg 240
aatatccaga agatcaccaa ggacatgaag atgg 274

<210> 44650
<211> 272

002220"032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701042270H1

<400> 44650

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tgctctgcat tttggtggca tcatacagaga tagagacttg agtgtgagag ccacaacttc 120
tccaattctt caaaaggggtg aaactttgaa ggaaaagaaa tggttggtgc tataaaagca 180
gcgattggag acgcggtgtt gactttcatg tgggtgttct gttcctctgt gttgggaatt 240
gcttcagggg acataaccaa tgcacttaac ct 272

<210> 44651
<211> 205
<212> DNA
<213> Glycine max

<223> Clone ID: 701042272H1

<400> 44651

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tatctagtgg ctcgagttga aacacccatt ttacaactaa agcagaatgc agataacatt 120
gaagaagagg agggatcct tcaaaacttg aaatgtggta ttcacttctt tgagctgtct 180
aaggaggtag ggtcaaagcc ttgga 205

<210> 44652
<211> 157
<212> DNA
<213> Glycine max

<223> Clone ID: 701042273H1

<400> 44652

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ttctcgccgg cggcctctac tggttcgtct gtgttctggg gcccgccgag cagaaggggc 120
aacggggcaa cgatctatcc ggggggttca ttttcgg 157

<210> 44653
<211> 229

002220"ETFE560

<212> DNA
<213> Glycine max

<223> Clone ID: 701042274H1

<400> 44653

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aaccaagcca gatccggtt tcaattcctt ctgagtttcc ttttctctga aaaaacatgt 120
tgaggggtgc agctagaagg ctctcttctt ctctcccatc tctcctcctg ttgcggccca 180
atcaggcggc ttcggtttt ctctctcgaa acgacgtcgt cgtcgatga 229

<210> 44654
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042275H1

<400> 44654

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agtcattgat tattcatcat ggatgattaa cacttctctg gatctcaaca ttaatcccca 180
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ggaggtgaag aaatcttctg taaaacaag 269

<210> 44655
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042277H1

<400> 44655

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tttgctttct tgttagctgc cactacagaa tcaagaaaag atacagggga atattggaaa 120
atgatcatga aagatcagga aatgccagaa ggacttcaag gtcttggttc atttcaatct 180
gaaaataacc ctaagactca agagcagctt ggtaaagggt ccaaaaacca ttgtgaagag 240
tctctagtta caaatacaca agttaatagt g 271

<210> 44656
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042278H1

<400> 44656

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 aacttcctct tcggctgcgg ccagaacaac cagggcctct tcggcggctc cgccggcctc 180
 attggcctcg gccgccacc catcttcttc gtccaacaaa ccgccgcaa ataccgtaaa 240
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<210> 44657
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042279H1

<400> 44657

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 aagcaaagtg aacttggtgtg atacctttcc aattgaggtt tctagcgaaa gagaaaggat 180
 gtcaagtggg acaacatact ggtgttacac atgcaggcag ccaatctggc ttgaacggag 240
 ggaaggcttt tgcccctact gcgatgga 268

<210> 44658
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042280H1

<400> 44658

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gatctcgaaa tgccatcaag tgtggggctc ctacgcgggt tccgctagct ccatcgtaa 180
 cccttccaag gtcaaacaga tttcctggaa gccaaagagct ttcgtttatg aaggtttcct 240
 cacggatttg gaatgcgacc acttgatctc tttagc 276

<210> 44659
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042282H1

<400> 44659

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 ctcccggtag caagcttggt tatcagacca cgaagaagag ggccagcgga cccaagtgcc 180
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 caaggttaca cagaaaccga aggactgtga ac 272

<210> 44660
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042283H1

<400> 44660

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 cggcgaggat acggtggcgg tggccgagga ggagggtccg gcaggagggg attcggtgga 180
 ggcaggcgca gggacagcaa tgggagcctc ttggttcgta acattcccct cgattgcaga 240
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<210> 44661
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042286H1

<400> 44661

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aagaacaaga aacctcgcca gagaaggaga aagagaacgt tcccgaaca gctgaaaccg 120
agtccgaggt tgtttcaaaa ccaagcggtg acgacaacgt tcctgaatcc ggttctttca 180
aggaggaaag caccattgtt tccgacctac ctgaaaccga gaaaaaggct ctgcaagaac 240
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<210> 44662

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701042287H1

<400> 44662

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cccctatgtt ttttccttct cttggccttc aacacaaaac ccctcctagc agcagaacca 120
gagccagtgg ttgataagca agggaaccct ttggagccag gagtagggta ctacgtgtgg 180
ccactttggg ctgatgaagg aggcctcaca ctaggccaaa caaggaacaa gacatgcctt 240
ctttatgtta tccgtgaccc ttcattcatt 270

<210> 44663

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042288H1

<400> 44663

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tgatccaaga gcaaaggctt tgaggaaact gacagaggaa gtgtttttcca ttgttgccg 120
ggatcctctt atagagattg ctgttcctt ggagaagatt gcactgtctg atgagtattt 180
catcaagagg aagctatatc caaatgttga cttctactct ggactgattt atagggccat 240
ggggtttcaa cctgagtttt tcaactgtt 268

<210> 44664
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042289H1

<400> 44664

tgcaacctca atttagccag attaacatct ctgttacatg gaggggaaag aaatttggtg 60
 tcgagatgaa tataggagcc aatgtgaagg atctagggca ggaattgcaa aagttaacaa 120
 atatcaaaga agataccatg cgggttcattg ttccacagat ttctgccagc acgtcaaaac 180
 ttctggcccc cttttccaag gaacatgcac ttttaagtct gcaggaaact tcaattaccg 240
 aggccaggtc aattataatg at 262

<210> 44665
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042290H1

<400> 44665

taatggcggt tgctcacgac ttggagttgg aatcctcttc ttccccctctg gtgttctcag 60
 tacggaggag tgaaccggag ctggtggctc cggccaagcc cactccccgc gaaattaaga 120
 tcctatctga gatagattct caggcgggtc ttcgtacca aattccaatc atacagttct 180
 accgtaacga cccatcattg gcaggcaagg acccagttca agccattcga aacgctcttg 240
 cggaagcact tgttttctac taccgttt 269

<210> 44666
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042291H1

<400> 44666

gagagaaacc catttctaga gagagaaact cgcagtcgca gacatgtctt cttcgatgc 60
 cttcgccgac gacttgaacg tcaactcttc ttccactcgc cagcacgacc atgacgagga 120
 caacttctct ggctacggcg gctactcctc cttcaccgga ggattctccg ccgacggaga 180

tgtcgccgtc gatcactccg ccgccgcgtc gccggagatc tacggcttca ctgattcgaa 240
 tcccgtttac tctcagtctc ccttcgaat 269

<210> 44667
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701042292H1

<400> 44667

gttgacatgc acatccaaat gtcttctttc ctcttagcat cgtttgcact tttgttttgc 60
 atctccacct tggagaagag ctttgccctt caagcaacaa aggaaagcaa caatcttcgt 120
 caatatcatt ttgttcacct caactcteta tttccatcat cttcttgag ctcttctgcc 180
 aaaggtccta aaaggaaagc atcattagca gtggtacaca aacatggccc atgctcccaa 240
 ctanatcata atggcaaagc aaagactac 269

<210> 44668
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042293H1

<400> 44668

ctcgagcggg ttgattggga tcctctatc cacttgcagc ccacaagtcc tactactgtg 60
 aagaaggtca gtgttgtttg ggatgcctat gaagcaacaa aggatgcaca tggcctttgc 120
 attctaaccg agtgggatga gttcaagact cttgattacc agaagatatt tgacaacatg 180
 caaaaaccag catttggttt tgatggcaga aacattgtgg atgctgataa gttgcgtgag 240
 attggttca tagtttactc aattggtaa 269

<210> 44669
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042294H1

<400> 44669

gtcagatctg gtccttacgg tcagattttc cgacctgata acttcgtctt cggccagtcc 60
 ggcgccggaa acaactgggc caaaggtcac tacaccgaag gcgctgagtt gattgactct 120
 gttctcgatg ttgtcaggaa ggaggcagaa aactgtgact gccttcaagg gtttcagggtt 180
 tgccactctc ttggtggtgg aactggttct ggaatgggaa cactgttgat ctggaagatc 240
 agggaagaat accctgaccg aatgatgctt 270

<210> 44670

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 701042296H1

<400> 44670

ttgacaacca tgagtgatgt atatagcttt ggagttgttc tcctagagct cctcacagga 60
 aagaactctg tggacaagaa aagacccacc agagagcagg atttggtgga atgggcaagg 120
 ccattgttga aggattccca taaactagaa agaataatgg acacaagact tgaggatcag 180
 tactcaactg aaggggctag aaaatttgca gccttggtt atcaatg 227

<210> 44671

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701042301H1

<400> 44671

ggctcacatc atccaatgcc aatccgacgg ccacgatccc ttccacgtgc tcctcgagcc 60
 gnagatgaac caggaggaca cgtggcgcaa ttacgccgcc gacgtcgacg tactccacgc 120
 cgccgtgtat agcatcagcc acgaccgctt cgccgtgttc ctccgcctcc acaccgcttc 180
 gtgcgtacgc gcctccgccg tggcgctgct caacgagctc ctccgcttcg tcgccggcgg 240
 cgacgaggcg agcggg 256

<210> 44672

<211> 274

<212> DNA
 <213> Glycine max

<223> Clone ID: 701042267H1

<400> 44672

aaagtgtcta cagagaagag aacaacatag cagagagaga gagagagaga gagagagaga 60
 gagagaagag cttatctact tcactttctg gagagacatg gagggtgcta actggaagat 120
 aacagaggaa gaagcagggc catcctcttc ttctgggatt gcttcaaata aacaacaaaa 180
 cccacctgaa acttttcatc atcaacatca taggaaggag gctgcagcag aagaagaaga 240
 caccgaggaa gagggagaag acgatgttga tcat 274

<210> 44673
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042229H1

<400> 44673

gtcgcttctc gaaccctact tcttccgagg tgattgcatt tcaattcctg taatggcgat 60
 tgataatatt tttaaactg aagccagtga agaaaaagga gagcgggcca gaatggcttc 120
 ttttgttgga gccatggcta ttgctgactt ggtgaagaca accttggggc caaaggggaat 180
 ggataaaatt ttgcagtcaa caggtagagg acgtgaagtt actgtcacta atgatgggtgc 240
 tacaatcttg aagtcctccc atattgataa 270

<210> 44674
 <211> 139
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042230H1

<400> 44674

aacctctaac ctacctcttt ttcttctctc tcaacaactt caccttcttc ctctcgatc 60
 atgtctcact tcaagggcaa gtaccatgat gagcttatcg ccaatgctgc gtacattggc 120
 actcctggaa agggtatctc 139

<210> 44675
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042231H1

<400> 44675

gaagcacctt ttctgagga gagagtcttc cacttttctg cagagtccat agcaaaactg 60
 aaagcaaaag ccaactcaga gtccaatacc acaaaaatct cttcattcca gtcattatca 120
 gcacttgtct ggagatccat aactctcgcg cgctccgtgc cgtacgagca aaaaacaagt 180
 tgcaagatgg ctataaacia tagatcaaga atggaaccgc ctatgccaga agaatacttt 240
 ggaaacttag ttcaagtagt gagtgcagaa acgacaacia ggg 283

<210> 44676
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042232H1

<400> 44676

aacgatatca gtcttcatt catcaacaac cactctctct cccctctctg cagcaaaacc 60
 aattctccgg cgacatctcc ggtcaggttc cggcagctc tccggcgact cggcatggca 120
 actcaatgaa tgcggaatca ccgccggggc tctcatgtc ggtttcctgc ctctccgact 180
 acgacctct ctgcggcgag gactcctccg gaatcctctc cggagagtcg ccggagtgc 240
 ccttctccga catcgactcc tcacctctc cgccgtcgcc gacga 285

<210> 44677
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042233H1

<400> 44677

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 caggtgagac tcagattacc ccaaccacg tatctgatga agaagcaaac cttttcgcca 120
 tgcaactagc cagtgttct gtccttcaa tgatcctcaa atcagcactt gagcttgatc 180

tgttggaaat catagccaag gctggccctg gtgttcatct ttccccact gacatttctt 240
ctcagctccc aacacagaac cctgatgcac ccgttatgtt gg 282

<210> 44678
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701042234H1

<400> 44678

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catcgatgct cagatctctc cactccgccg ccacccgcgg cgcctctcat ctcttccgcc 120
gtgggtacgc ctccgagccg gtgccggagc gcaaggtagc cgttctcggc gccgctcggc 180
gggatcgggc agcctctctc ccttctcatg aagctcaatc ccctcgtttc gagcctctcc 240
ctttacgata tcgccggaac tcccggcgtc gccgccgata t 281

<210> 44679
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701042236H1

<400> 44679

gggggggtggc actgtttggc cgttgatgat cagggcagag cttatgcttg ggggtggaaat 60
gaatacgggc agtgtggcga agaaccgag cgcaaggatg gcaactgtag acctttaagg 120
agagatatag agatccctca gcgctgtgct cctaagcctg ttgttcggca ggttgctgca 180
ggaggaactc actcagtggc acttacacga gaagggcatg tttggacatg gggtcagcca 240
tggccgcctg gtgacataaa acagatttca gtccc 275

<210> 44680
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701042238H1

<400> 44680

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 cggccgacgg agaagccttg gatttcgagc ctgaggacga tgacttgatg gacgaggacg 120
 gcgccccga cgccgacgcc gacgcttctc cacctcaacc taagctcaaa tccgccatca 180
 cccccgccgc cacttctctc ctctccgcc cgaagaagac caagggccgc ggattccgcc 240
 aggacactga cgccaaccgc aacactcgcc tctccg 276

<210> 44681
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042240H1

<400> 44681

gaggttttga cgcaacacac tttcactgag aaaggatctc tatctaccaa ggagcagaat 60
 aaaacccttc tctctggtta gtgaataaga gaatggcttc agatcggaac cttcacactt 120
 tcgaggaggt ggcaaagcac gaccagacca aggattgctg gctcatcatt tctggcaagg 180
 tgtatgatgt cacccttttc atggaggatc atcccggagg tgatgaggtt ttgttatctg 240
 caacaaggaa agatgcaacc aatgattttg aagat 275

<210> 44682
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042241H1

<400> 44682

ctttgcctcc ccttctcact tcgcttattc ttctctcgtg tactatgtct cttctttctt 60
 gatgctatgt tgatgactgg ataaaatctg agacagaagg gtagtttcta gaaacttgac 120
 agagctaatt aagagaatct tggatattat aggaagtaga ttactttatt aactgggtaa 180
 taagtcgttg tttggaggct atagatggcg atgcaaaccg tttatctgaa agaacatgaa 240
 ggacttgctc acagttctgt tgggcagttg t 271

<210> 44683
 <211> 284

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701042248H1
 <400> 44683
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 ttaggagagc ttccccaggc atttgcacgg cttagtgtg tttatgggtgg gacatatatg 120
 ttgaataagc ctgagtgcga ggtagaattt gatgaggaag gaaaggttgt tgggtgcaca 180
 tctgaagggg aaactgcaaa gtgcaaaaaa gttgtttgtg atccatcata tttgcccggc 240
 aagggtgagga aggttggttag ggttgcaaga gcaatagcca taat 284

<210> 44684
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701042249H1
 <400> 44684
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 tctgtgggca cccaatagc ttcttctaata cgacagtcca attttgttgg tttgtggtgg 120
 atcatcttcg tcgttgtggt gactagttag gagtgcagga ctatacctat ctatatagtg 180
 tatgaaaatt caggggggtg aagtcgtttt tggagtagtt gataaatgtt gaaatccttg 240
 acggttgttt ggtgaaatga gggatgttat cggggtt 277

<210> 44685
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042251H1
 <400> 44685
 gtggttttca tcgtcttctt tctcttatat ttcttttttt ttttgtcttc gccgcacgcc 60
 gaaacaatgg ccggaaaagg agagggtcct gctatcgga tcgatctcgg aaccacctac 120
 tcttgtgtcg gtgtgtggca acatgaccga gttgaaatca tcgccaacga ccaagggaac 180

agaacgacgc cgtcttacgt cggcttcact gataccgagc gtctcatcgg tgatgcggct 240
 aagaaccaag tcgcatgaa ccccatcaac accg 274

<210> 44686
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042252H1
 <400> 44686

tcgaaattgg cgctctgcta cgaatccatc ttcttctcca acttccattt caccgatcaa 60
 attcaattca atgggtgccca atcacagtcg cgaagatctg ttggaatctt ccgattcaga 120
 gcaagaggag catgaaacct tcgaagacgc caccgaagga agcgccgaac ggaaaccgtc 180
 aacgccgtca tccctcgatg acgtggagge caactcaaag ccttgaaatc caattactct 240
 tcaaattcaa ccccggcg 258

<210> 44687
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042255H1
 <400> 44687

caaaacgttt atagatcata actactacgt attggaagac agctttgggtt tcagtttttt 60
 gtcatcactc tcagctgggc ggtgcttata gatccagcgc cagcagattc aatttgacac 120
 tggaagcaac ttttcatttc aaagattaag tgaaaacatg gctgtccttg ctgcttccat 180
 tgtgagcaaa tctggcaaag ttctagtttc tagacagttt gtggacatgt ctcgatcag 240
 aattgaggga cttctagcag catttcccaa gt 272

<210> 44688
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042258H1
 <400> 44688

09531113.032200

caccacccta ttactacaaa tcacctccac ccccatcacc ttctccacca cctccttact 60
actacaagag tctcctccca ccatctcccg tttctcatcc tccctactac tacaaatctc 120
ctccaccccc aacgtcgtct cccccacctc cttatcacta cgtgagccct ccaccaccaa 180
ccaagtctcc accaccacca gtttacatct atgttcccc tccaccaccc atctacaagt 240
aagcttgga ttaagaagca gcaacaataa taag 274

<210> 44689
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042259H1

<400> 44689

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aaagtacaat taacttgtgt tagagactaa taagcgaatc atcagataac gacaaaaata 120
actaaaaaaaa ttggtattga tgggtgggagg gggtaaaata aagtgatgat tggcatcttc 180
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ggcttcgcat gaggcatttt ctgttatgga g 271

<210> 44690
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042260H1

<400> 44690

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cctacacaac aaagtcacag aatggatcca gaaggactac actttagcag ctagtctcat 120
gaggctccac ttccatgatt gctctgtcag gggatgtgat gggccattc tgttgaagca 180
tgatggaagt gagaggacag cacaagctag caagacactg agaggggttg aagtgggtgga 240
tgatataaag gcagagttag agaaacaatg c 271

<210> 44691
<211> 273
<212> DNA

<213> Glycine max
 <223> Clone ID: 701042261H1
 <400> 44691

gttcttccca actcctcaga agttgaatgt agtttggtga tacggagaga ggttgccctg 60
 tcttgctcggg ggctctgac tatgtatgac atttccacga tgctatatgc tcgcttcgcc 120
 atttcatcac tagtgtcttc ttgtcttgga agttgctatg gaatctaggg gttcaacaag 180
 ctaaataaaa gtaaggtgat aaagcatgga gtttttgaaa atcaagaagt tcagaaaatc 240
 tcagaaagca gatggagaaa aggatttggc aga 273

<210> 44692
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042262H1
 <400> 44692

cgatgatgaa taagaacaca gacatcatca tgagttattc ttattcttat tcccctgcc 60
 ctccattctc gtcattcatc tcacattcca tggatcccat aatttgagc aaattgccac 120
 ccgaaatcct cgaatacata ctctcttttc ttctctcaa aaccttctta aacctagat 180
 ccacttgcaa aggtttctgg tctctcatat tctctctcc ttctatttcg aaactgtt 240
 ctcccactgc ttcttcaccc ttctcttcat tcc 273

<210> 44693
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042263H1
 <400> 44693

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 tttcagctaa acctgagcac acccaactga gatttttagct tcagattccg aggtaagagg 120
 agaaagaaga gaactaagtg ctaccagag ttcgattttt gggttggtca acaaggtaa 180
 gatgtttctg agcttgatgg gtatcatgta gatcaagagg ggtgcgtgtg tggattgggg 240

aagcaatttg tttatgaagt tgaagaagca tggataga

278

<210> 44694
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701042265H1

<400> 44694

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ttccttctaa gcttgcttca agtccttgag ttcagttctt acaatcacga aaggatcaag 120
ttgaatgaaa attcaacctt gttgccgatc aaactccac tctaatttat tcaatctgtg 180
tgactaggta ggtgcaatta cggttgatg agtgtccttc tgctgtaaag tgccaagtaa 240
cgatattaat ctccaatttt ttttaaccct gacgg 275

<210> 44695
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042266H1

<400> 44695

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caacaacatg gctgcagcat tcacgagaag cttttcatcc acctctcaac taagctcaaa 120
atcaccaaac attaacatgt tcgaggaaaa tggctctcctt tcacctcaca tgtccgccac 180
agcattgctc caaaaagctg cagaaatggg tgcaacagtg aatagtaaca gcaacaacaa 240
cagcatgatg atgagtggag aaaaagctta 270

<210> 44696
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701042228H1

<400> 44696

cctctctttg tgtcgcttgg tcttggcatc tccgcagcac caccaccct ggaccaggtc 60

002220"ETTES0

ttcaacagag agaaagagaa ggaaaaaacac acacacacac acacacacac gttaaactaa 120
 cattttttat tagtaagaag acatgggtca acccagttcc aacggggatc tgaataataa 180
 ccagcagggc caggttcagc aacagcagca gcagtgggag ggggagcagc gattcagtat 240
 cagcagcaat ggatggccat gcagtaccgc gcctcc 276

<210> 44697
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042194H1

<400> 44697

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 ctaacatttt caaatgcaag caaatatcag aaactggagc tcaacagatg ctattagata 120
 cccaagctgt aaagacgatt cttcttgaag ttccttcctt tggtagacag acatcaggtg 180
 cccctagtta ttccaagttt gtaagccgag agatgagcaa agccgaggcc ctttttaaagg 240
 ttatactttc tcc 253

<210> 44698
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042203H1

<400> 44698

gaaggaataa actattacaa caatcttacc aatgagctag tggctaattg tataacaacca 60
 cttgtgactc tatttcattg ggatcttccc caagccttag aagatgagta tggcggattc 120
 ttaagtccac gcatagtgaag agattttcgg gactatgcgg aactttgctt caaggaattt 180
 ggtgataggg tgaagcattg gggtactttg aatgagccat ggagttacag ccaaaatggc 240
 tatgcaaattg gacgaatggc accaggacgt tgttctg 277

<210> 44699
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042205H1

<400> 44699

acctcgagcg attcgggtca ggtcacaccg ccgtatagtt caccgaccgaa ccgcactatt 60
 tatctctttc tccgccgcaa actatccttc tccggcgggc ccaccgtaca accctcgatt 120
 taagcaaagg agcaacagaa ggaggtgctt ggttgcaaat ggcggccacc gcaagcaaca 180
 acgacgtcgc cgccgccgcc gacggccccg tgatgagcct aatcaacaag cgcctccgcg 240
 ccctccgcaa gaagctgaac cgcctccttc ccatggaaga 280

<210> 44700

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701042206H1

<400> 44700

ctctttcacc agaaagtgac actgagagaa gaaggaaaaa ctaaccaaca ccacagcccc 60
 taatttcctt tttctcacia tggcggttcc agtcgacaac cgtcaatacg gcacccacat 120
 aaacgccgtc gttcgcgctt gcggcccaga cttcaatacc cctctcccgt cggatttcga 180
 tctggactca tccagcgacg acgaagacca aaacgacgac gcttcgtatc tcaaggagtt 240
 gatacaaaaa gcgaacgcgc aaaccgaggc gtcgctgttg g 281

<210> 44701

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701042208H1

<400> 44701

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 gagatgggcg ccaccgcctc cggcgggcgt cgcgggcgcg aggtgaacct tgacaagttc 180
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<210> 44702
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042209H1

<400> 44702

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 catcacagtt ttcagtgagt gattttttct cttacaattt caatttttct ttctccaaac 180
 tcacccaaaa caacattact cgtttgtctt ttgcaggaaa tattgaagat tccgaaaaga 240
 acacatcaaa gtcaaaaaca aggggtgcaac aacaacaa 278

<210> 44703
 <211> 110
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042210H1

<400> 44703

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<210> 44704
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042211H1

<400> 44704

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 ggtcgtggtt gttgttttcg ccatcaaac aatgtcttcg ccggacattg tctcgatatt 180
 ggagaactcg aaggagttcg atcgggtgag gaaagaacaa gaggatattc tgtcggagat 240
 caacaaactt cacaagaatg ctcaagcaac tcctgaa 277

<210> 44705
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042212H1

<400> 44705

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 gaagatccac gaccacgatt cgcatcttc gtcggattcc gacaacgaga aaaccagggc 180
 ttctgactcc ttgaagtcaa aggtt 205

<210> 44706
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042213H1

<400> 44706

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 gccgggtctt tcatagatct ggtgcgtaga ggctcagatc tacggtaccg aggtacaaca 180
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<210> 44707
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042214H1

<400> 44707

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 gatctatggc tgtcaaatac ttctgcaaaa ggagcatgct attccagttc gtcactttgc 180

taaagagtct gcccctcctg cccttaaggg agatcagatg ctgaagaaca tttttgtgga 240
 ggtgaagaac aaatttgaga ctgccatagg aatattaa 278

<210> 44708
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042215H1

<400> 44708

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 tttggagaat ctctgtgccg tagctttgct tcgttagtgg acagtgccat aaggagtagt 180
 agtgccagtg aagcagatgt gggatcatcc ccttccccag tgcattgttt tgccctccgct 240
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<210> 44709
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042216H1

<400> 44709

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 aagggtattg attctcgtgt caggagaaag ttcaaaggat gcactttgat gcccaacatt 180
 ggttatggct cagacaagaa aaccgccc atctaccaa atggtttcaa gaaatttgtc 240
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<210> 44710
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042217H1

<400> 44710

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 ctctataatt ggccgtactc tctcttcatt tgatgaagac aatctgatac catgttttgg 180
 atttggtgat gcatctacac atgatcagaa tgtgttcagc ttttatcctg atgagtgcta 240
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<210> 44711
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042218H1

<400> 44711

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 tttttattcg gttagccaat taagataaca ttcaaccaag tctaattggc tttctatgct 180
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 aaggtcta tgtggccatg tcacttattg gagcca 276

<210> 44712
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042219H1

<400> 44712

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 atgctataaa gaaaactacc ctatccaacc tcacctctaa ccagctaaag caagtgatcc 180
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 gctctactcc cacattcgcc ggaggagatt acactttga 279

<210> 44713
 <211> 275

002220.ET.E60

<212> DNA
<213> Glycine max

<223> Clone ID: 701042220H1

<400> 44713

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actggcgcaa taatgaatac accgccctaa gatttctctt tacaattgct gttgccttgt 180
tgtttgggag catatattgg aaccttggct ccaaaatcaa aaagcaacaa gatcttttca 240
atgccatggg atccatgtat gctgctgttc ttctt 275

<210> 44714
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701042221H1

<400> 44714

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ttggtcttag ggacacccaaa tgtcttccag ataaatgctt taacacgtgc tcttttagac 180
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atggaattgt gcattttaat ccttgaatt tccagg 276

<210> 44715
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042222H1

<400> 44715

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tgagagtggt atatttgcaa cagcccttca ttcaaccaga ggaggctgct gcttgtgaag 180
aagttggatc agataagagt gtggaaaatg gatccattgg aatggttttt cttagcacac 240

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271

<210> 44716
<211> 275
<212> DNA
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<223> Clone ID: 701042224H1

<400> 44716

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catttcaccg ccaataactt aatttgcatt ttttgaattc cttgacttgt gttccttagt 120
atctttcaaa ttctggtgac tgaaaaaaaa actgtgagaa atcctacata cttgagccct 180
tctggatttg gaaaatcatt tctgcctggt gagatttcaa tatgggtcaat atgatgattg 240
gtagctctgg aacttttagat gagaaggcta gtttg 275

<210> 44717
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701042225H1

<400> 44717

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ctactgctaa agagattaat gaaaatcccg aggcaggatg ggaggctgct ataaatcctc 180
gtttctccaa ttatacagtt gaacaattta agcgccttct tggagtcaaa ccaatgccta 240
agaaggaact tagaagtaca cctgctatat ctca 274

<210> 44718
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701042226H1

<400> 44718

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 aaatacccca atgccc aaag caatcataga ctttctaaac cttgatcaac ttcctctttg 180
 gtatggtgct aaggaaaccc aatctacaga tcaaatatcc ctgtatgatg ctaagaaaac 240
 ccaatcaaca gatcaagttc ctctatctt ttat 274

<210> 44719
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042193H1

<400> 44719
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 ttaggaagga aaattagctg tgtcacatat agcataagca aattcactga aataatttca 180
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<210> 44720
 <211> 256
 <212> DNA
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<223> Clone ID: 701042163H1

<400> 44720
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 ttagtaagg tgatgggtgc tcatattggc cttccatcat cagtgaccag cttcttttgg 180
 gagagtggat tgcttggaag gaaagaaacc acagagccac catcagaagc aacagtgtct 240
 ccaaagctg ctgcac 256

<210> 44721
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042165H1

<400> 44721

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 ttgaatgaaa attcaacctt gttgccgatc aaactcccta actaatttat tcaatctgtg 180
 tgactaggta ggtgcaatta cggcttgatg agtgtccttc tgctgtaaag tgccaagtaa 240
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<210> 44722

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701042166H1

<400> 44722

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 ctcgagtgct ttgacgtggc tggacgagca gccacgtgga agtgttttgt ttgtttcctt 180
 cggaagcggg gggacactct cgagtgcaca gatcaacgag ctggctctcg gggttgaaaa 240
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<210> 44723

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701042167H1

<400> 44723

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 cctgcagtcg gcctcgccac tcttcaagca gcgatcgtgg tcgccggacg cttccgcga 180
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<210> 44724
 <211> 260
 <212> DNA
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<223> Clone ID: 701042169H1

<400> 44724

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 ttgaatggca tccattttcc ttgacttcag ggccacaaga agactacctc agtggttcaca 180
 ttagaacact cggagactgg agctaccaa tatatgatct attccaagag gcagtgttat 240
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<210> 44725
 <211> 256
 <212> DNA
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<223> Clone ID: 701042171H1

<400> 44725

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 caggacttta tgctggacaa ttcacatgg gaggttttct aaacttaagg ttaaagaagt 180
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<210> 44726
 <211> 257
 <212> DNA
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<223> Clone ID: 701042172H1

<400> 44726

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ctattgcctt gaacacggca ttcagcccca tgggcagatg ccgagtgaca agaccgttgg 180
 aggaggagac gacgccttca acacattctt cagcgagacc ggcgccggaa agcacgtgcc 240
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 <223> Clone ID: 701042173H1
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 ttggtattca accagagtat atgtttcaga tagtgacatc ttgttttggg aggaaaatga 180
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<210> 44728
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042174H1
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 cggctggaac tctattctgg agagcgtggt gaacggtgtg cctttcatag cctggcctct 180
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<210> 44729
 <211> 238
 <212> DNA
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 <223> Clone ID: 701042176H1

<400> 44729

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 gcgtgagcct ccacagagat tcatcaggcg cagggatgat gcaccaagac ctggtcagcc 180
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<210> 44730
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 <212> DNA
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<223> Clone ID: 701042177H1

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<223> Clone ID: 701042178H1

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 ataaataatg accactcttc ttcaacttca ataatactca cctttgaatg gattcttctt 180
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<210> 44732
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 <212> DNA
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<223> Clone ID: 701042179H1

<400> 44732

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 acaccgattg gcttgcgaa gagaggtgta gcagtcattt attcgcttcg gaagttgcta 180
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<210> 44733

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042180H1

<400> 44733

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<210> 44734

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701042181H1

<400> 44734

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 tagacaatcc acgtagaaca cttcacgtgt cttgtggctc cacatcacca catgcttccc 180
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<210> 44735
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042183H1

<400> 44735

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 cttatctatc taaacatcat aacattgcac aagattatca ctttgggttt tatgaatctg 180
 taccagagaa attgagatgg cctgttctcg ttatagccat acttgctgca gttgtgggaa 240
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<210> 44736
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042184H1

<400> 44736

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 tagaaaatga gacgagtag 259

<210> 44737
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042185H1

<400> 44737

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aaagccttat gcaagatccc aaagttattc atcatgcact ggataatatc cacaaccaca 180
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 tggaactcca tgactacc 258

<210> 44738
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042186H1
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 ccaaagctct tacctcagtt tgtaaaagat gtgaatgtga tccaagggtga tggatgaagct 180
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<210> 44739
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042187H1
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<210> 44740
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042188H1
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ccgattccgg cgacctctc ttcgccgccc acctcctctc ccaccgccac aacccccaga 180
 agttccgccc catcagggtcc gtccccaccg cccccattgc caacccttct cctccccctc 240
 tctcgcacg 249

<210> 44741
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042189H1
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 ttccccgttg gaactgagtg ggaccaattg gatactgtct atcaatacaa gtgggatttc 180
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<210> 44742
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042190H1
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 tctctaattc aaaaaaaaaat ctgttgtgaa caaacacaca ttattgtttg ttttcatccc 120
 acggaaaaat cgatcaggca aaacaaacaa aggtgaaact gaataggtgc gtgtttgtgt 180
 tgatgggcta agaggacaga gaaaaagaaa gaaagagtat aaaatcaaat ctggcaaadc 240
 tcgtggggt 249

<210> 44743
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042191H1

<400> 44743

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 caacatcaaa taatgggaaa aggaacatg gaactcgaga caaacaaggt ctatgactac 180
 gaggatgcac gaggggacgt tgaagtccca gataccgctc atcagataag cactgattca 240
 tggtttcaag tgg 253

<210> 44744

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042161H1

<400> 44744

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 taaaattgta cgaagcagaa agaacatggc tccgtctagc aaggctgaga aaaaggctgc 120
 cgtggatgca gctgcatgga tgttcaatgt tgttacatct gttggaatca tcattgtaaa 180
 caaagctttg atggcctctt atggcttcag ttttgccaca acattaacag gcatgcactt 240
 tgctaccaca actttg 256

<210> 44745

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701042192H1

<400> 44745

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 catggcaaca acaggctcag aaccttggc cttttttctc atcttcgttt tcctgtgacc 120
 tttttcttcc tttcaaacac acatacgaag gtctcctttt tttcttggtt ccttttgtct 180
 ttctttcttt cttggtggca gaaaaaatg ggtattggag agaagagtcc aagcaagagt 240
 ttcaatctgc ac 252

<210> 44746
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042121H1

<400> 44746

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 cattgctgaa ggataagata gaaaagctaa ggggtggagtt tgaacagcaa ctgcgtgcag 180
 ctcccaatta tggaaggctg cagaataagt ttacctatct gagcgaatta tgtaaagtta 240
 agcttctgtc agatgcaaac aagg 264

<210> 44747
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042122H1

<400> 44747

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 actgaaaata tacttctctc cattcttctc accggggcac ctaatccctc tgggtccagct 120
 ggctcgcttg gtggcggcac gaggccagca cgtgaccatc atcaccaccc cgcgcaacgc 180
 tcaactcttc gaccagaaca tcgacaagga caccgcctcc ggccaccaca tccgcgtcca 240
 catcatcaag ttcctcaacg cc 262

<210> 44748
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042124H1

<400> 44748

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 gaagaagcct ccttcaccgg caacgccagt ggacctccag aaaccgtcgt cggcagcggt 120
 tcggacgacg aaaattgcat gcttctggcc gcctaccctt ggacgacggc gacgcatttg 180

ggattgaaga ctgacgccgt cttctcggcc tctgaaaaca ggttataatt tcaataggaa 240
 ttcagatctt ataatc 256

<210> 44749
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042127H1

<400> 44749

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 caagtcactc aagggattga tggaaccgcc ctcaccgcca tcgtcacagg agcaacaagt 120
 ggccttggtc tggagaccac ccgggttctt gcattgcgcg gtgtccatgt tgttatggca 180
 gtaaggagtc tggacagtgg taagaatgtc aaagaaacaa tacttaagga aatccccctcg 240
 gctaaaattg atgtcatg 258

<210> 44750
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042131H1

<400> 44750

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 acgcatggaa tgggtggaaa caatggtttg gtgatttaat atttaggttc tcgttttagaa 180
 ggcacagtg tcagaatttt gttacggtag taaggtagat ttttattaat acattataca 240
 tgtcata 247

<210> 44751
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042132H1

<400> 44751

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agggttaaaa acctcaatca cttcctccat accctgagat gatagtgaag gcacttgaag 180
cactgaatga gccaaatgga tcgaacaagt cagcaatatc aaagtacata gaaacccact 240
agggtgagtc gcca 254

<210> 44752
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042133H1

<400> 44752

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aagaagccag agtcagagag caacagagta atactatagt ggaatatttg ttggaccatg 180
aagcataaag atggaaaacc gattaatcag ccaaataaga accgggctgt gactttggca 240
gtcactttaa ttgctctatg tggc 264

<210> 44753
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701042134H1

<400> 44753

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cctgatctac aagcttggag gcattgacaa gcgtgttatt gagagatttg agaaggaagc 180
tgctgagatg aacaagaggt ctttcaagta tgccctgggtg cttgataagc ttaaggctga 240
gcgtgaaaga ggaatcacia tt 262

<210> 44754
<211> 262

<212> DNA
 <213> Glycine max

<223> Clone ID: 701042137H1

<400> 44754

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 gacttcacat actgatccac ttagtggcag tgttgtcgct gtgttactac cgcataactc 120
 acttgttact ggaacctcca acagcgccat ggcttctgat gaccgtagcg gagcttcttc 180
 tctcgggtgct ctggttcttc aaccaagcct tccgggtggcg gccgggtgctg cggagcgtca 240
 tgacggagaa gctgccgagg ga 262

<210> 44755
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042138H1

<400> 44755

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 ctccaaaggc ttcgatttcg cttccgatga catcctctgc tcctacgacg actac 175

<210> 44756
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042140H1

<400> 44756

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 ctagaaattg tgtcttgttt atattgggtt catcaaccaa tcatgaaaaa ttgttgatca 180
 gggtagagaga gatggaattt ggacatggca tcggataaac aagctgttta attggcttcc 240
 tctggcagct ttaattg 257

<210> 44757
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042142H1

<400> 44757

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 cgaaaaacca agcttctttg tcgcaagtgt tgcaaccata ttggatatgc ctacaacgat 180
 cgcacttcat cattttttcc ctctgtatca aacagaacag aaccatcacc acccaccgag 240
 gcatcaaatt c 251

<210> 44758
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042143H1

<400> 44758

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 tcatacagcat tcacataggt caggccggga tccaggtcgg aaactcctgc tgggaactct 120
 actgcctcga acatcgcac cagcccagcg gcatgatgcc ttctgactcc accttcggtg 180
 tagcccacga cgccttcaac acctttctca gcgaaaccgg atctggcaag cacgtcccc 240
 gtgctgtctt cgtcga 256

<210> 44759
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042144H1

<400> 44759

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 tccccatgat ggacatagca aaaattctgg cacagaacgg tgttactgtc acagtgggtca 120
 caaccacca aaacgcatca cgcttcacat caactttttc taattcccaa atccgattac 180

tcgaagttca attcccatac caagaagcag cggtgccaga aggggtgtgag aatctcgaca 240

tgtt 244

<210> 44760

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701042146H1

<400> 44760

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aaccttgtgc tggccatgtt gtggcgtcac cctgaaaatg ttgaacttga taaagttcaa 120

gtgggttcatt actgtgctgc tgggtctaag ccttggaggt tcactgggaa ggaagagaac 180

atggataggg aagatatcaa gatgcttctg aagaagtggg gggacatata tgaagatgag 240

acactggact acaataa 257

<210> 44761

<211> 101

<212> DNA

<213> Glycine max

<223> Clone ID: 701042147H1

<400> 44761

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atgtatttgc atttgtcatt aataaagaga gttgtgttag t 101

<210> 44762

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701042148H1

<400> 44762

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cgcgtatcat cggccaagac ggaagcgttt gggctcagag caccaacttc cctcagttca 180

002220" ETTES60

aacctgagga aataactgcc atcaataatg actttaatga gcctggatca cttgctccaa 240
ctggattgta tatcg 255

<210> 44763
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042150H1

<400> 44763

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aagaccacag cagggtcatg gggatgcgag gattaagacg cttgttttt taatcttccg 120
atgtcactct tgtttgtag tttgtttttt tattctttat ttcaataagt actgtgcaag 180
taggttagag ttgggtagaa gggcatgttc atggtgttaa ttactatgtt atgtatgcat 240
gtgagtgtg ctatcgatgg c 261

<210> 44764
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042152H1

<400> 44764

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aatcacaggc tgaagcagca gcagcagcag caacaacaag ctcttatgca gcaagctctt 180
ctccaacaac agtctctccc ccaccctggc ctccttgctc ctcttcagat tgaaccatat 240
ccaagtggaa atttgctcc 260

<210> 44765
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042154H1

<400> 44765

002250-277550

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gagggcccttg aaagatcggg tctgtgcttcg gtcttctaaa gtggagcaaa tatcggtttac 120
ggaatctgag aactcactca tcgaagccct tcttggcatc caaggacgcg gacgtttcttc 180
ttctcgtcag cagctcaatg ctgttgagcg tgctgtacac gtcctggagc ggtagggggg 240
tgtacctgat ccgaca 256

<210> 44766
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701042155H1

<400> 44766

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ctactcacc cgcacggttg aaggcggggg tggctgagtt catctccacc ttgatcttcg 180
tggtcgccgg ttcaggttcc ggcacgcct acaacaagct caccgacaac ggcgcccga 240
ctcccgccgg cctcatct 258

<210> 44767
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701042156H1

<400> 44767

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tcaccaactt caccttctcc acacaccctt tcatgcccac ttctttctct gaccttcttg 120
cttctccac agacaacaac aaaccaccac atggtggtgg tgggtggttg tctgagagaa 180
ctggctctgg tgtcccaaaa ttcaagtcca caccaccacc ttctctgcct ctctctcccc 240
ctccatttc tcttct 257

<210> 44768
<211> 253

<212> DNA
 <213> Glycine max

<223> Clone ID: 701042158H1

<400> 44768

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 gactctggga agtcaactac cactgggtcat ttgatctaca agcttggagg tattgacaag 180
 cgtgtgattg agaggttcga gaaggaggct gctgagatga acaagagggtc attcaagtat 240
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<210> 44769
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042159H1

<400> 44769

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 tcacaagttc aaacaccatg gcggcaaagg gttcttctct ggccctatga ttcccgttga 180
 agccagaaga aaatcaaagg atggttgtgt tgaaactcaa gaaccactt cccccaaaat 240
 ctctgcatg ggacagat 258

<210> 44770
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042160H1

<400> 44770

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 aggttgatct tcaagccgtt agttgatgaa tttcctgggt ttggagctgt tagctattca 180
 ttaaggcaaa agaaaaagtt ggattttact ctaaaagtca ttggtggcga catatcagca 240

0022E0:ETTFE560

attcctggat tatatg

256

<210> 44771
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701042119H1

<400> 44771

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catttttttt ccttcttttt taactattca actcaatctt atatctcaa ttaagtttat 120
tttttggttt tcctagaaat taaattattc tgagaaatta actatattta acgagcgaga 180
gccatttcat tggcccatat tagttcttgt gcttaggaaa ctttttgggt agaaaaaaaa 240
cagtactaag agtttgac 258

<210> 44772
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042083H1

<400> 44772

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agggccttgt tgtcgacttt ttctctgcag ggacagattc cacagcgggt gcaacagagt 180
gggcattggc agagctcatc aacaatccca ggggtgttga aaaggctcgt gaggaggtct 240
acagtgttgt gggcaa 256

<210> 44773
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042085H1

<400> 44773

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 ctacagccgc ctcaaattccc tagtgcgta ctcgagttcg tcgacatcca ggaggaggat 180
 gtgaaggacg aactgaagaa tctcaggcgc gagctacctc cgcgcgatgg aggaggtgaa 240
 gcggatccag tcggtg 256

<210> 44774
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042086H1
 <400> 44774

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 aggttgggga acacgt 256

<210> 44775
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042088H1
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 ccattgagat gtcttcatcc gtctacaaga attgggtttt cactgaccaa gcattaccag 240
 ctgatctcgt caagaga 257

<210> 44776
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042090H1

<400> 44776

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ttaactgtcc aagacgttca agtgggtccg cctcaagccg gcgaggtccg tgtccaaatc 180
ctattcaccg ctctctgcca caccgatgct tacacttagg gcggccaaga tccgaagtct 240
cttccttg 248

<210> 44777

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042092H1

<400> 44777

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tggttggtcc aatctgtctc tgaatgatta ttccgtttgg agcaacagct acagctccaa 180
gaggcctgat cagaggagga agtttcgtgt caagggcagt gatttctaca actcatcaaa 240
gcctctttat gctgat 256

<210> 44778

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042093H1

<400> 44778

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acggtagatc ccgagatcca tgacctcatc gataaggaga atcgccgtca atgccgcgga 180
atcgagctca tcgcctccga ggacttcacc tccttcgccg tcatcgaagc cctcggcagc 240
gctctgacga gcaaat 256

<210> 44779
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042094H1

<400> 44779

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 agattgggtg ccggttttgg ttgtatgcaa agataatgtt tcaccaatat caccagcaa 180
 caaatcgttg tatctggaac tggaagacac attcttgcca atcatctcca cattgcctat 240
 gtcagatgct caagaattgt 260

<210> 44780
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042101H1

<400> 44780

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 ctgtcggcgg actgcggtct aagtacaacg tgaggtcgat ccagtagcgg aaggaggacg 180
 aggtgcaggt gatgcgagga acatacaagg gtcgcgaggg gaaggtgact caggtctacc 240
 gtcgaaagtg ggtgattcac attgagcg 268

<210> 44781
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042102H1

<400> 44781

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 taagtgaggt gccaatctgg tgaagatagc tcttggtact ttggatgact cttttagcgc 120

tgcctctctt aaggcttatt tcgcagagtt ccacgcaact ctgatttccg tgttcgctgg 180
 tgttggatca gccatcgctt acaacgagct tacaaaagat gcagccttgg atccaacggg 240
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<210> 44782
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042104H1
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 tgcactcaag gacaagctcc agctcctcgc tgggcaacat gtggacatcc tggagacact 180
 gccacccaaa gtcaggcaac gcgtggaaat tctcagagat ctgcagagtc aacatgatga 240
 ggtggaggct aaatttttag aggag 265

<210> 44783
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042105H1
 <400> 44783

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 ggaataaccc tttgcagggt cctgaaagat atgcgaggag tcaagaagag ttggagaaaag 180
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 atggaaacaa agaggagttg ttg 263

<210> 44784
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042106H1

<400> 44784

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 gatgattaac ttcgaagaaa ccgagttgcg actcggcctc cctggcaacg actcagcact 180
 caagggaagt gctgccaaga gaggcttctc tgaaactgct tctgttgatt tgaagcttaa 240
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<210> 44785

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701042107H1

<400> 44785

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 tgaagatggg tcaaatacatt gtcttaaaag gtaatgctgg agagattaga acaaattgca 180
 ggggtggtcaa tagttagcaa tagtggtgaa ggactcaagt gcctgcagca aagaagattt 240
 acaaattcta agtcatgttt ctt 263

<210> 44786

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701042109H1

<400> 44786

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 cttgcctcca tccctcaatc ttattctcct tttccctctc tcacaacact cacactctca 180
 gttctaaaat tattccccag aaccttccgt tttcaccac cttcagtgcc cctttcaccc 240
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<210> 44787
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042110H1

<400> 44787

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 tctaagagat taatatcatc ctacccaacc acaagcttag attgacacaa gatggaagtg 180
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<210> 44788
 <211> 261
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 <213> Glycine max

<223> Clone ID: 701042111H1

<400> 44788

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 aacagaagca cctgctgaag tttcaggcaa gaaaacaaa aagaagaaac aaaaagctgc 180
 tgatgctgaa gatgacgtgg ctatagatac aaatggtgat gctgtggagg atcataaatc 240
 agagaggaag aagaaaaaga a 261

<210> 44789
 <211> 260
 <212> DNA
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<223> Clone ID: 701042112H1

<400> 44789

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ccaatattgt taactgaata tttcagacta aaacaacgag ttgaaaaaat attttcatgt 60
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<210> 44793
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042118H1

<400> 44793

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 ttcgaggagc gtttcgatga cggatgggga aatcggtggg ttaaatacaga ttggaaaaaa 180
 gatgagaacc tggctgggga gtggaaccac acctctggcc aatggaatgg agacgctaac 240
 gacaaaggta ttcacaccag t 261

<210> 44794
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042080H1

<400> 44794

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 attgaaagta ggtaaactgt ttctgggggt accagcagat gaagctgcag ctccggccgg 180
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<210> 44795
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042044H1

<400> 44795

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 ctattatcat caccacctcc acaacgtaag ctaggtaggg aaagagcttc atcattttcc 180
 atttcctctg ctaccctttt aaaaggtcgc agaggaagtg gaattcaagt cgtgtcttgt 240
 gatgacacgt catcacaagg gga 263

<210> 44796
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<223> Clone ID: 701042045H1

<400> 44796
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 actgaaggaa agacccccat ttcatagcgc ctggggaacg caagtttgat cgaggattgg 180
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<210> 44797
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042047H1

<400> 44797
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 gaagaggagc aagaagagga ccgagtctgg tggagcgagt cagagcgagg taggtgagtc 180
 ggggagaacg agttccaatt gcgactcgct cagcttcagg ctggggaacc tccacaagta 240
 cgtgcagggc gaacacgtcg c 261

<210> 44798
 <211> 266

<212> DNA
 <213> Glycine max

<223> Clone ID: 701042049H1

<400> 44798

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 atcccaccgg agacttggtt cacaagagca agctccaatg tgctgagaaa atgattagag 180
 gtgcctttgt cgagctctat aaaggatttg gcctactcaa aacttacagc tcaactcaata 240
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<210> 44799
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042050H1

<400> 44799

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 cttcacactt ctattcctct cccactcgcc cctcacaacc ttgcgagaag atgggctagt 180
 ggcgaatgga gatatttgagg ttagcccatc aagtgggttc cctaacgagg cgattgtgga 240
 gggccccagc gaggtcccaa actggaa 267

<210> 44800
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042051H1

<400> 44800

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 gagcatccct gtgaggaact cgcggcgctc catcgccgtg cgcgccgccg ccacggaggc 180
 tcctgtggct actattacgg cggcaaggga gtgcaggggtg aagtcggtga aggcccgga 240

gatcgtggac agccgcggga a

261

<210> 44801
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701042052H1

<400> 44801

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ttgtcgaaaa acgctcgga cagtaacctc gtgtactcgc cgctgtcgtt gcacgttggt 120
ctgagcatca tcgcttctgg ctccaagggc cccacactcg atcagcttct ctccttcctc 180
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tccgacgccg ctcccgccgg cgg 263

<210> 44802
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701042053H1

<400> 44802

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ggcatgtttc ctcccaactg agttttctgt tgcagttcat gtggatgggtg caagcaagtc 180
gtttgagcag acctgctttc tggatgttaa gggatactgt cgtgaagaga ggagccacga 240
agggcttgga atgggtg 257

<210> 44803
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701042054H1

<400> 44803

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aagatgatca attgacagag tttctaagag aggttgcaat aatgaaacga gtacgtcatc 120
 caaatgtggg gttgttcatt ggtgcagtta ctaaactgcc ccatctatct atagtaacag 180
 aatatttgcc tagtttattt cgctaatac ataagccagc atctggtgag attctagatc 240
 caaggagaag attacggat 259

<210> 44804
 <211> 258
 <212> DNA
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<223> Clone ID: 701042055H1

<400> 44804

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 tacagtacca agaaagttca cgctattctt acctacaata acacaaacca cttgataaag 180
 aaggatgttc cttgtgagac tgaccaactt actcatgttt acacatttat cctccgtccg 240
 gatgcaacct acagcatc 258

<210> 44805
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042056H1

<400> 44805

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 cctctccatt ccttcaacct tcttcttctc ttgatctct tctggagacg ttccgtgttt 120
 agtagcaagg gttagttgag gccttggtgt tggaaacgta cgggtgtcgtt ttggagttgg 180
 gaaaacaaat aattctgaga gatggcaacc acgaaccctt ttgatttggt gggtgacgac 240
 gctgaggacc cttctcagc 259

<210> 44806
 <211> 260
 <212> DNA
 <213> Glycine max

002220.E.F.F.E.60

<223> Clone ID: 701042058H1

<400> 44806

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aaagaaaggc aagggatgac gctgggtctg atcaatgcga atcctgtggt tcacgccaag 120
aaagagcgaa tcgctcgttc tgatgatcct cagcccgatg acgccgttga tcctctcgac 180
atctatgatt tcgtgagggga tattcgggat cccgaacatc cttattccct ggaacagctc 240
agtgttctct ccgaggaatc 260

<210> 44807

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701042059H1

<400> 44807

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ttataatcct cctccccctt ccaaaacttt tattaatcac cctttgaacc aaaacccttc 120
tcctcaaaac ctaattctac cactcaaagc tactattaaa ccgcggttgc ttagagcagt 180
tcactcccag aagatcactg ctaactctc gcttcataac tccgatacta ggactcgttt 240
tcagcactgt ttcacaaaga 260

<210> 44808

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701042061H1

<400> 44808

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cctaggatag actcgtaaaa gatttgggaa tagaatgcag ggaattagtg ttttttgagt 180
tgtaccatgt acacattaac aacagtatat agatgaaact ttttccttca agtccctttt 240
tgtgtatctg tgcgttgatg t 261

<210> 44809
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042063H1

<400> 44809

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 tcaggcgcg tgaacctcac cgcgatcctc gaaaaggggtg gccagtacac caccctaatac 180
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 caaggcttca ctctcttcgc acccactga 269

<210> 44810
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042064H1

<400> 44810

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 ttgagaaatg tcttaagtta tacagtgaag agatggcgaa attagttcta cctcttcctg 180
 agaaatctct gcaagggggc catgataggt ctagagatga agtcacaaaa gtctttgatc 240
 agcagcattt tggtcgtcac catgctaaga aa 272

<210> 44811
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042066H1

<400> 44811

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gggcccacgg tccctcccca tcatcgcca cctccatctc atctccgcc tgcctcacca 180
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ccccgccgtg gtcgtttcgt gcccgga 267

<210> 44812
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042068H1

<400> 44812

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aatcggcaac cttcaccaac tcgacgttc gaagctcaat ctccaactag ggcagctctc 180
aaagacctac ggtccccttt tctccctccg aatcggcttc aagccagccc tcgtcgtttc 240
ctctcaaaa ctgcgcaaag a 261

<210> 44813
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701042069H1

<400> 44813

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ccgcagcctc gcggatctcg acccgaatat gctcgagatc cgagccgggg aagccgtagc 180
ggtggattcc gacttcgaac tccaccgcat gctcgccctg tgcggatgcg tcgacaaggt 240
cttggacact g 251

<210> 44814
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 701042070H1

<400> 44814

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 tgacctttca tcttattttg taatttagat tatttaattt actaaatata ttaattgtgg 120
 aagcttaatg ttgagttcgt actgcatgtc tgattttc 158

<210> 44815

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701042072H1

<400> 44815

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 gctgcccttc ggggccttct tgagcttgct cgcaatactc aagatggcaa ggatggcaat 180
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 atgtcagctg agga 254

<210> 44816

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701042073H1

<400> 44816

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 tcgtcccaat cgtcaacatc ctccctcttc tcttccattt tatcatgggg aaaatctatc 180
 ggggtttttg ttgggagtag aggaaaccgg agagggtcc tctgcatgt ccattcaagc 240
 ctccagccaa caggatct 258

<210> 44817

<211> 257

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<223> Clone ID: 701042077H1

<400> 44817

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 tcaaggacat gggaaacatg gggggaccga agccaacata gttttgttgg ttatatatat 240
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<210> 44818

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701042079H1

<400> 44818

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 gcacaaggcc atgccactgt ctt 263

<210> 44819

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701042043H1

<400> 44819

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<210> 44820
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042009H1

<400> 44820

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 tgatctgaaa gattcggata acgataaaaag cgatggaaac gccatgccct catcccatca 240
 ggaggaagca gctgttaaga aaaagtat. 268

<210> 44821
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042010H1

<400> 44821

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 tctctctggg cgacgcgctc aacctcttcc aagacgcaa cagactcatc aagcaatccg 240
 acaaccattc ccagttcaca gacat 265

<210> 44822
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042012H1

<400> 44822

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agcgcattgc aaaagagcta ggtcaaaatt tcactgacag agagattcag gagatgggtg 180
 aggaagcaga ccaagataat gatcgagagg ttagtgcgga ggagttcatc acgatgatga 240
 acagaactcg cttccatcac tagtctt 267

<210> 44823
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042013H1
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 gaagtgcac aatggatgag atcaagaggg cttataggtc aatggctctt cagtaccacc 180
 ctgatgtgtg ccatgatcct tccatgaaag aggaatcaac gaggatgttt gttcagctaa 240
 acacagctta caagaccttg tccaat 266

<210> 44824
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 <213> Glycine max
 <223> Clone ID: 701042014H1
 <400> 44824

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 tctgcacctg aatcttccca tgtttatgat tctgagaccc attggacatc atggctcgtg 180
 cctatgtttg tggttgctaa tattgctgtc tttgttatta ccatgtacat caacaattgt 240
 cccaggaaca accttcgttt ccaaggtcgc tgcgtggcca gg 282

<210> 44825
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042018H1

<400> 44825

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 ccaatcgacg acgcgtgcca cgacatgagc tccctggaag agctcgcgaa ccgcggcgcg 180
 tggcgttcca tcattgacaa ggtctcacgt gctcgcgccc tctctctcct ccacaagccc 240
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<210> 44826

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701042020H1

<400> 44826

agatcaaccc cgacgaaggc aaggggtttt tctcggcttc ttcagatttc tgaaatggcg 60
 cctgtttcag ctttagccaa gtacaagctc gtcttctctg gtgaccaatc cgtgggaaaa 120
 accagcatca tcaactcgctt catgtatgat aaattcgata acacctatca ggctacaatt 180
 ggtattgatt ttctatcaaa aactatgtat cttgaagatc gaactgttcg actgcagttg 240
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<210> 44827

<211> 263

<212> DNA

<213> Glycine max

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<400> 44827

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 taaggagcgt gctgtctcag gattccttcc ggtgcttcca tatcttctctg cttcagttga 180
 tggatcagat ggtttgaact atgacagtag agatggtaaa cgacatggac gtggtggata 240
 ttccagtggg tatggaggtt caa 263

<210> 44828
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042022H1

<400> 44828

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 agtggaaaag ctatttgagg tgcattcctga cggtagagtt atggcggttg ccgacatgat 180
 gaggaagaag attgccatgc cagcacacct catgtatgac ggccgtgatg acaacctgtt 240
 tgatagctac tcttcgggtcg cgc 263

<210> 44829
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042024H1

<400> 44829

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 tccgcatctc caactctctc tctcacacac gcactctgaa acaaaaaaat agaaatagaa 180
 aaaaaaaca aaagttaaaa aaaaaggta gttattcttc ttcaaccacg ccatggaggg 240
 tcttcccaa ggttaccgtc ccaacg 266

<210> 44830
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042025H1

<400> 44830

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 tggcaattgg cggatcatcc aaagcatcca aagggaaga ctgtggctgt tgtggatttg 120
 gatggttggg gagaggccac acccaatgag tacaactgca tccacaaggc cgaaacaccc 180

tgcatggatt cacttaaaaa ggggtgctcct gaacgggtgga gattggtcag ggctcatggt 240
actgctgtag gacttccaac agaag 265

<210> 44831
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042026H1

<400> 44831

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ggatttagta tgtgttatgt atgtcattgt gggagagggtg aaatggagca agacatcaac 180
atcatcatca tcaatcaatt gtaaagggggg tgtaccttac atagtagcaa cttatgtcat 240
tcttggtgac ctgaagaact atag 264

<210> 44832
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042028H1

<400> 44832

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atgctagcca agggctttat cttagggaaa gatgctgtca acaaagcaaa gacctttgac 120
gagaagcacc agttatcctc cacagcctca gcaaaagttg cgtctttcga tcagaaaatt 180
gggcttagcg agcaaataag tgctggtgct acagtagtgg gtgatagagt tcgagaagtg 240
gacaaaaagt ttcaggtttc agag 264

<210> 44833
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042031H1

<400> 44833

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 caactatcgt catctatccc caaccctaac cagttagcga acgatcgctt agagtttcga 120
 cgcaggatgc gttcgaaaga gcgaaccagc agccgcattc gaggggttcct cgtcgtcagg 180
 agtggattcg tagagatggt ggtgggttgct acaatccaag acagcccaag aagggatcat 240
 cttcgaattc gagggaggag t 261

<210> 44834
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042032H1

<400> 44834

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 cttagagata tcaagggttg gctttggatg tgtaggacta tctggacttt ataatgctcc 120
 cctctcgcac gaagctggat gttcaattat taaagaagca ttcaatatgg gt 172

<210> 44835
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042033H1

<400> 44835

ttctcgagct gaatcggctc gagcggctcg agcacagatc cgtcttgaac ttctctgtgt 60
 tctgaaacag caacaatggc aaataccatg actatgtggt ttctgttggt cactctttcc 120
 ttcgtttatg ctgctgccac tgctaatact caaatcaaag ttactaaciaa ccctgcggac 180
 aagttggtag ttgcgattca cgaaaacaga actgctcaca aggtgtcagc cttataggac 240
 aaccgggggc ttgcgtgtat tgctctacaa tacatt 276

<210> 44836
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042034H1

<210> 44839
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042038H1

<400> 44839

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 tttattgttc actcgttcaa agacatccag ttacatggct ttagtaagat gtttccaact 120
 ggcattttcc ctcattgagcc tctctctgga ccaagaagga gggtttacaac catctcgcag 180
 gagatctctt ttactatgg catcatacat gcttatattc tcagccaggg caggcaattt 240
 ccccgagcta attcagaaag tt 262

<210> 44840
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042039H1

<400> 44840

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 ataagaaggc agactatcct gtgaagggtg ctggagttga aatatcacca gaccctgtgg 180
 agagtggcaa gcctgctacc tttaagatct cggctacttc tagtaaagct atttatggtg 240
 gagaagttgt aattggagtt t 261

<210> 44841
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042040H1

<400> 44841

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 atccacaatg ccgccgaagt tcgacccttc ccagatagtc gacgtcttcg tccgcgttac 120
 cggcggcgaa gtcggcgcgg cgagttccct ggccccgaag atcggtcccc tcggtctctc 180

ccccaagaag atcggataag acatcgccaa agataccgcc aaggactgga aggccccgc 240
gtcacccgtca agtcaccgt t 261

<210> 44842
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042041H1

<400> 44842

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gcctctcgcc tatcggacgg tggaggatth ctccgaccaa tgggtgggacc tcgtccactc 120
ctccccctgg tttccgact actggctccg cgagtgttc caagatcccc agtaccaata 180
cgacgacgtt ttcgacttcg actttgacct agatctccaa gataaagatg aaaatgaagg 240
gaaggaaggg aaagaggtgg 260

<210> 44843
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042042H1

<400> 44843

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ttggcaacag tttctctcca aacttcagct tcatcagtg gtaaattcat cgacgaaacc 120
atcacttccc acaagatcgt ctttttttcc aagacctatt gcccgactg tagaagggca 180
aaagctgttt tcaaagagtt gaaccaagtt ccacatgttg ttgagctcga cgagagagag 240
gatggttcaa agattc 256

<210> 44844
<211> 216
<212> DNA
<213> Glycine max

<223> Clone ID: 701042008H1

<400> 44844

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tacaagtaag aatttttact gcaccaaaca ttaacaaacc ctagaagaac atcaaaacaa 120
ccagaactat acaacaattt aaaggagaaa aattcttact tgtacgagca tattgtgatt 180
atgctaacat gctaaataga atacaatctt tcttgt 216

<210> 44845
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701041975H1

<400> 44845

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cccaaagccc aaggacaccc tcgtcaaggc ccacgctcag gtccacctct ttctccaaca 120
atccctccac ctctacagc ggctccaccg gttaccgcct ctctctgac acctccatct 180
caagcttctc ctccatcacc tccctccgcg acacgctccc cgaaaacccc cacatctacg 240
acttctccga aatctgtgcc gccac 265

<210> 44846
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701041976H1

<400> 44846

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tgctttgtcg gtgggctcgc ttggggcact gacgaccatg ccctcgagag agccttctct 120
cagtacggcg aaatcgttga aacgaagatt atcaacgac gtgagactgg cagatccagg 180
ggttttggat ttgtgacctt cgctcggag cagtccatga aagatgcat cggagcgatg 240
aatggacaga acttgacgg c 261

<210> 44847
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701041977H1

<400> 44847

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cattcttctt tgcaccttct tctttgaaga tcgaaattgt gtttttgaaa aaatgggagt 120
tccagagaaa gacctctttt cctctaccga gtttgccctc tggttttcgg ttttacccca 180
ccgacgagga gctcctcggt cagtatctat gccgcaaggt cgctggccac catttctctc 240
ttccaatcat tgctgagatt gatttgta 268

<210> 44848

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701041978H1

<400> 44848

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ctcgttggac ccggttcagg accgcaaaaa cgaggcctac aagtggatcc tacaccactg 120
caagcgatac aaagaagccg aggggataat cgggaacagc ttcgaggagc tcgaaccggg 180
agcctggaac gagctgcaga acgaagaaca agggagtgt cgggtttacg cgggtgggacc 240
gcttgtaag 249

<210> 44849

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 701041979H1

<400> 44849

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aagtctcaaa ctgattctgc ttatggtgcc aatgttgaag tgcggcttag agaggcagat 120
tttccaattg gccaggacca gtcttcactg agcctttctc ttgtgaagtg gagaggagac 180
ctggcttttg gggctaactc tcagt 205

<210> 44850
 <211> 158
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041980H1

 <400> 44850

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 agcgtgccaa tatggtgaag atagctcttg gtactttgga tgactctttt agcgtgcct 120
 ctcttaaggc ttatttcgca gagttccacg caactctg 158

<210> 44851
 <211> 275
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041981H1

 <400> 44851

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 ggagcacaga aattctcgga gaggcaagca ctgggtacag gagctaagag tgacaaggac 120
 tacaaggagg caccaccagc acccttggtt gagccagggg agttaaagtc atggtctttt 180
 tacagagctg ggatcgaga gtttgtggcc acattcttgt tcctctacat cactgtcttg 240
 actgtcatgg gtgtcaacag ggcacccaac aagtg 275

<210> 44852
 <211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041982H1

 <400> 44852

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 actcttctta aggaagcaat ccatgttatc agctgtggtt acgaagacaa gacagaatgg 120
 ggcaaagaga ttggatggat ctatggctct gtgacagaag atatcttgac tgggttcaag 180
 atgcatgctc gtggttggat ttccatctat tgcatgccac ctgcccagc atttaagggt 240
 tctgctccta tcaatcttct tgatcgt 267

<210> 44853
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041983H1

<400> 44853

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 gccggtgcat acatcttctc cgctcgctagt ctcaaccatg gaatgaatcg ttacgtcttc 180
 gttgtctatc gcaatgccat cgctgcattg gcccttgctc cttttgcatt gattttcgag 240
 aggaaaatta ggccaaagat aacactcc 268

<210> 44854
 <211> 69
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041984H1

<400> 44854

ctttccagtt gctggtaaga cttaaactgt atttaataat gaatgccaaa ttcgggtctt 60
 ggctaaaaa 69

<210> 44855
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041985H1

<400> 44855

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 tgttcctcta gaaacctctt ccgctccacc gtggaatttt cctgcttctg tagcacaaaa 120
 cacacacaca cacaaactct gctttaatat tattcacgcc tgccttgctc gtggtgctgg 180
 ttacaagata gggtttgac tttttaatca gaaactagcc atgaccaggt acagaaaact 240
 actgtgttag ttaaaaaaca tttcat 265

<210> 44856
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041986H1

<400> 44856

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 acttccgcat caccaacagc gtgcacatga ctgagctcaa agaaaagttc aagcgcatgt 180
 gtgataagtc aatgattaag aagcgatata tgtacttaaa tgaagagatc ctgaaggaga 240
 atccgagtgt ttgtgcatat a 261

<210> 44857
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041988H1

<400> 44857

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 gattggaaat ggatacgcac cgggtgcttga ttgccacact tctcacattg ctgtcaagtt 180
 ttctgaaatc ttgaccaaga ttgacaggcg atctggtaag gagcatgaga aggagcccag 240
 atttttgaag aatggtgatg ca 262

<210> 44858
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041990H1

<400> 44858

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ctgtttggcc aaacactccc attcccactg cactgcgaga gcttctaaag cctctccctg 180
 cagggtgttg aatcgatgaa ctccctaagc aaattgatga tacacagtac ccaaaaacat 240
 tcttctataa agaaga 256

<210> 44859
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041991H1
 <400> 44859

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 cttctcaaca ttgattcctg gggcgctcgtt atcaacacat tcagcgagtt agaacaagtt 180
 tacttaaacc acttgaagaa agaattggga cacgaaagag tctttgcggt gggcccgggt 240
 ctgccgattc a 251

<210> 44860
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041992H1
 <400> 44860

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 ggctgaagg tttccaagtt aggatttggc tgtatgggccc taagtggagt gtacaacgat 120
 cctgttccccg aagagggtag catctctttg atcaaacacg cattcaccaa aggggtcact 180
 ttcagtgatt ctgcagattt ttatggagca cgtgccaatg aagtttgagt cggaaggct 240
 ctcagggact t 251

<210> 44861
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041993H1

<400> 44861

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 gagaaaatct ctcgctccct ttctctttct tctcttcacg ccgccatcac catgccttca 120
 ctctctctct ctgaaactga caccactcac ccctaaacct atttccaaca aaaagatgcc 180
 atagatccaa tcctcactg atcccgacct cgatgggggt tgggggaaga agacgacaga 240
 agcgcaaggc ttcagattta ttagaacc 268

<210> 44862

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701041994H1

<400> 44862

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 tcttcgtgcg cgccaattgg ctgtaagcgg tcaagggtg cacagctccc aatactatgg 120
 ccttcggtca agtgaacact ccttctctac caaaagagag gatgaggaaa gggagcaact 180
 cgcaaaggac atttcacagg attggagttc tgtctttgaa cgtagcatta acactctctt 240
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<210> 44863

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701041996H1

<400> 44863

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 ctccctcccc accatcaaaa acgtcctctc cctccacatc ctcgtcgact acttcggcgc 120
 caaaaagctc caccagatca acaacagcac caccctcgtc tcttccatgt tccaggccac 180
 cggctccgcc tccggcaccg ccggctacgt caacatcacc aacctcaagg ccggcaaggt 240
 cggcttcgcc gccgaagaca acgacggctc cctccact 278

<210> 44864
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042001H1

<400> 44864

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 tcttccctct tctgctcgaa gccctccatc atctcttctt cgccggaatc cctctcgctc 180
 tctctctcgc atctcaaacc ttccaactct tctacgacgt cgtcttggtc ttcacctct 240
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<210> 44865
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042003H1

<400> 44865

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 gagtttcagc catggtatct gtttctctgc tcttattcct atctttcttt gccttctttg 120
 caccctctga atctcacgac aaagtctcgt tggaattgta ctacgaaagc ttatgcccct 180
 acagcgccaa cttcatcgtg aatcacctcc caaaaatctt caccctcagat cttgccccaa 240
 tcgttcacct caaactcgtt ccttggggca atgccaaact ccgtgc 286

<210> 44866
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042004H1

<400> 44866

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 gtgctacatt catgtagttg agcatatata ccacaggatt cttgtaataa taggaggggt 120
 tactattggt gagcgacttt accaagtctc acatttattt atgtatctat ttttccatca 180

aatcaaatgc agtaatgacg gggagttcct tcaatgaata tgatgatata cctatatcat 240
gcttgtgcac gtgatgtagg agacaa 266

<210> 44867
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701042005H1

<400> 44867

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caaatccatg tttcctctgg gaaactagtc cctggactat catggaatta ctatttggtg 120
acatgtccca agcttgagag gattataagg aagcatcttg aggatgtctt cgagaaggac 180
agtggagtag ctcttgcat acttcgactc ttcttccatg actgctttcc taatggatgc 240
gatgctcta tattgttgaa tggagac 267

<210> 44868
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042006H1

<400> 44868

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gagggggaaa aattgaagat atgtgttggg gatttattga ttattacgaa agataatcat 180
aatataggta ggaggaggagg gatatttgaa ttaatgagta taatggtaat taattatgat 240
ttggaaaaat aaatatatac tatggg 266

<210> 44869
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 701042007H1

<400> 44869

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 atatggtggt tttggaatc 139

<210> 44870
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041974H1
 <400> 44870

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 ccatgatgga catagcaaaa attctggacc agaacgggtg tactgtcaca gtggtcacaa 120
 cccacaaaa cgcatacgc ttcacatcaa ctttttctac ttcccaaate cgattactcg 180
 aagttcaatt cccataccaa gaagcagggt tgacagaagg gtgtgagaat ctcgacatgt 240
 taccttcact tg 252

<210> 44871
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041942H1
 <400> 44871

cttggaagc ctctgtaaac accctgaaga atatctttct tatgatgggc attgcagtga 60
 ttcaacagtg aaatcactgt caagtcact tgtttgtact gttggggaga tatcaacatg 120
 gccaaagtgcc agtactgtca ttccaggcca ggttacatat accgtggata tacgagcgat 180
 agatgacctt ggacgtgaag ctgttatcta tgatttatcg aaacaaattt accaaatatg 240
 tgacaagcgt tcagtttcct gcatt 265

<210> 44872
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041943H1

<400> 44872

ggtttgtaca gcgtttgctt tgggggagaa aaattcagat ttttccgatt tgcaccattt 60
tcaacagaga acaacacccat ttgtggattg ctgtaaactg cactttttgg ctgttagcta 120
atggacaagg ggggtgccacc tagcctcttc gtcaatgacg gttctttcat ggagagggttc 180
aagcaacttc agcaagagca ggagaaaggg aagaatgtca aattggagga ttctaaacca 240
attaaggtta attcagggtc ttt 263

<210> 44873

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 701041945H1

<400> 44873

gcagtttctgt gctttccgc gcgcgtaca ctgccaccgt cttccccgcc gtctccgcca 60
gagatggcag aagaggattc aaagcctctg aactacatct ccgagggtcat tctcaagaag 120
aggaagaaca ccgaagcatg ggctttaagg aaa 153

<210> 44874

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701041947H1

<400> 44874

cgggggatca acctttgtac aacgaagaca aaactgttat tgtcactgta aatggggaga 60
tatacaatca caagcaattg aggcagaaac tgagttccca tcaatttcga actggtagtg 120
attgtgaagt gattgcccatt ctttatgaag aacatggaga agaatttggt aatatgctgg 180
atgggatgtt tgcttttatt cttcttgata ctagggataa aagttttatt gctgctcgtg 240
atgctattgg cattaccct ctatacttg gctg 274

<210> 44875

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701041948H1

<400> 44875

cacttttagg aggtccctac atcttacgta catttccgc tgtacagatt catccagttc 60
 ttagtggttat tggcttacta gttcatgggg gtgaagctat tataagttac aaagcttttc 120
 ccctaaagaa ggaagtgaag aaattgatac accttgtttt ccatgccatc gcattaatac 180
 ttggaatagt tggaatttat actgccttca agtttcacaa tgaaagtggg attgccaatc 240
 tctacagctt gcattcatgg cttggaattg gggttatt 278

<210> 44876

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701041949H1

<400> 44876

gccagctagg gcttgagatc tcatatatca tggctacctc catgggtgaag cttatgcttt 60
 tctctgctct catactcttg tccttgcaag cagttgtgtc tgtaacacca ctgcattttc 120
 aacatccact agacccttta accaaacaag agataagtct tgtccaaacc atagtccaaa 180
 ataagtaccc aagctcaagt aacagggtga gcttccacta cattggactc ttcgaacctg 240
 aaaaggatgc catcctcaaa t 261

<210> 44877

<211> 193

<212> DNA

<213> Glycine max

<223> Clone ID: 701041950H1

<400> 44877

ttcattctca tctttctctc ttctctctcc acccaaacc taactccga cctgttccc 60
 ctctcgtatc cgtcatgaaa ggaggaaagt ccaagaccga atctaagaga gccgatccca 120
 aacttgctgt gaataagaag ggagccgcca ccaaggctag gaaaccgccc ggcaagggga 180
 aggcagcgaa aga 193

<210> 44878
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041951H1

<400> 44878

gaaagaaagg aaacggaata attcgatacc cctctcgtct cgtaactaac catggcagcg 60
 ctccgatgga agagcttcga ggagaatgag gatcgcccag ccaagcctcg tcattttggc 120
 gtcaccgaga ttcaaagccc ccaactgcact ctcttctccc acaaccttct tcaggatatt 180
 tttgaatcta tgggagacta tgtagatggg ttaaagtttt ctggagggttc tcacagcatg 240
 atgccaaagg ctactatcaa gcaaatacatt ga 272

<210> 44879
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041952H1

<400> 44879

taataacaag ctagctatta gttcgatttt gtagtaagtg aggtgccaat atgggtgaaga 60
 tagctcttgg tactttggat gactctttta gcgctgcctc tcttaaggct tatttcgcag 120
 agttccacgc aactctgatt ttcgtgttcg ctgggtgttg atcagccatc gcttacaacg 180
 agcttacaaa agatgcagcc ttggatccaa cggggctggg ggcagtagct gtggcacatg 240
 catttgcaact gtttgta 257

<210> 44880
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041955H1

<400> 44880

gaaagagact gggcaaaaga tgaaacatca ctgaagtcag gttttaggca tctagagcac 60
 atgccattcc ctttctgggt ggcccttttt gttgaaggaa ctcgtttcac gcagacaaag 120
 cttttacaag ctcaagagtt tgctgcttca aaagggctgc ctatacctag aaatgttttg 180

002220"CTTFS00

attcctcgta ctaaggggtt tgtcacagca gtacaaagcc ttcggccatt cgttccagcc 240

atztatgatt gcacatatgc a 261

<210> 44881

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041956H1

<400> 44881

gtttgagaga aaggttgagc tatagcctaa aggctgagac acataaatag tttctacttt 60

ctattcatag atagatggct ggcacaatta tgagacctca gattgtgcta tttggctcct 120

ccataattca aatgagcttc gacaatgggtg gttgggggtgc tattctagct aacttgtacg 180

ctaggaaggc ggacatcatc ttaagaggat actctgggtg gaattcaagg cgggcttttg 240

agggttttga tgaaattttc ccc 263

<210> 44882

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701041957H1

<400> 44882

ctctctttct ctctccttca acgcatccca accctgtggc gctataacct cctagatcta 60

ctctctaacc gctatacagg ctggtactaa gagctgtggt tagtcataga tggegtcttc 120

agcttcacgg gcaatgtcaa aggggtgtggt ggtatctgtg cctgctctgg ttctatctgc 180

tttagtggct actgttttcc tgttcttctt tttgtcctct ctttcactct gctcctgccc 240

tactccttca gaaatctctg 260

<210> 44883

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041958H1

<400> 44883

aagaaagtca tctagaacag ttgtaattcg taatatccac tacatcactc caaaaaggag 60
 aaataatgag gggggagtct ctgatgagtc actagaagat gatgatggca tcgatgaaga 120
 aaccatcaaa caaaagggtg gtgttgact tgagtctttg caaaagggtcc ataaagttga 180
 aaaacgtgct aagggaaaaa aagcagcagc ctggcacaat gtaactaaat caagtgatgc 240
 gactgaggaa gatctcactt ataa 264

<210> 44884
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041959H1

<400> 44884

aaagaaaaga ccatcaaagt ttcacttcag ccttatccgg tttagggttt cggtttttga 60
 ccctaccttt gacgtatcga aaccttaagt ttcggatcag gtctgagcaa tctggttggt 120
 agaacctttg gtcttagaga gtcaagtttt atgtctgaat tagacgatca aattcctact 180
 gccttcgata cttttgctga tgcaaatgct gatgactcgg gtgctgggtc aaaggagtat 240
 gtgcatattc ggttacagca gcgaa 265

<210> 44885
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041961H1

<400> 44885

gttggtgctg ctcatcctcc gtaacctccg agctctgcac cgaagaacga agccatgggg 60
 aagacacatg gaatgggatc tgctcgcaag ctcaagtccc accgcaggag gcaaagggtg 120
 gctgacaagt catacaagaa atcacctgct tggaaatgaa tggaagaaac cttttgctgg 180
 ttcattccat gccaaaggaa ttgtccttga aaagataggt attgaggcta agcagcccaa 240
 ctctgccatt cgtaagtgtg ccagggttca a 271

<210> 44886
 <211> 271

002220-ETTES60

<212> DNA
<213> Glycine max

<223> Clone ID: 701041962H1

<400> 44886

ctcggtgaca gtgggggtggg gaagacatct ttgatgaacc aatatgtgaa taagaagttt 60
agtaatcagt acaaggcaac cattggagcg gatttttttaa ccaaagaagt gcaattcgaa 120
gataggcttt tcaccttaca gatttgggat acagctggcc aagaaagatt ccaaagcctt 180
ggagttgctt tctatcgtgg tgctgattgt tgtgttcttg tatatgatgt taattcgatg 240
aatcatttg .acaaccttaa taactggagg g 271

<210> 44887
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701041963H1

<400> 44887

gcttggtggt cgttatccca cacatgcttg atgatgaggt ttcaatcaaa acacgtacat 60
gtgctacatt catgtagttg agcatatata ccacaggatt cttgtaataa taggaggggtt 120
tactattggt gagcgacttt accaagtctc acatttattt atgtatctat ttttccatca 180
aatcaaatgc agtaatgacg gggagttcct tcaatgaata tgatgatata cctatatcat 240
gcttgtgcac gtgatgtagg agacaacatg tg 272

<210> 44888
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701041964H1

<400> 44888

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gacttatcta tgattacatg agtttgattt gcataaatat gggttaccta tgataagtga 120
tccagtgttt agcgggggacg tgatcctcgt ctcattgtact tgagtcgtga tggatatatt 180

gatcaatttn tgccccttgt cttgataggc cagggacaaa ttcttgtggc acttgttttg 240

cttcctcttt aatt 254

<210> 44889

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701041965H1

<400> 44889

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tctacttcac tttcttctta tgtttgcctt ttaccttctt cgttccttat gttcatagca 120

ataaccagct tgataccaat ttctatgatg gatcatgccc caatttggcc acgattgtca 180

gatatggtgc ttggtcagcc attaaaaatg acaacagaat ggctgcgtcc ctccttcggt 240

tgcactttca cgattgcata gtaaattggtt gtgat 275

<210> 44890

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701041966H1

<400> 44890

gcaaacgata caaactcttt tttcatttgc agcatcaaaa tgagtggtag caacgatcgt 60

cagcggcagc tggagctcta ggtttttgaa ggtggctagt gcagctgccg ctacagccgc 120

cgttgccggc ggtttatatg ccattctttc atcctcaacc tctgctagct ctgagatgga 180

agtgccgttt ggcagcgac ggcgtgagag caaagaacgt gacgatggtg gctccgggtc 240

tcacctcgc gagggtgcaa caaggtcagt 270

<210> 44891

<211> 188

<212> DNA

<213> Glycine max

<223> Clone ID: 701041968H1

<400> 44891

cgaccacacc accgttatgg acgaggacga gcaactcgaa cgattcgact cggagttcgc 60
ctccacgagt tccatttcct ccaccctcag caccgactat ttccgcaacc tcaccagctc 120
cggcgacatt tcctccatca gcagctgctc cggcgagatt cctcccgtcg cggctctcgc 180
gcctccgt 188

<210> 44892
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701041969H1

<400> 44892

ctcaggtggc taaactacct ccgccctaac atcagacacg gtgggtttctc cgaagaagaa 60
gacaacatca ttgacagcct ctacgttagc attggaagca ggtggtcggt cattgcagca 120
caattgccgg gaagaactga taatgacata aagaactatt ggaacacgag gctgaagaag 180
aagcttctag ggaaacaccg taaggaacta caggcacgca acaaaggaaa cgggtggtatc 240
cttaaacagg agaacag 257

<210> 44893
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701041972H1

<400> 44893

aatccattta acaatgatct cacaaatcgg ttatgtgcag atggggaagt ttcattggac 60
aaagctgcag aggtgtggaa gaattatatt tgtgaggttt cttcttcaga catttgcaag 120
acacccggtc ggatgactcc aaccgtttat ggccaaatgg aagctgcagt gaatgtaagc 180
tatggtttat atcattatgg ccattcttg gttggcctac aagactgcac tttcgttcgg 240
aaaatattca cagacatcag c 261

<210> 44894
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701041973H1

<400> 44894

tccaaatcca aaaaaatcat ggagcagttg tactacctca cccttggtgct actgtttgtg 60
cccttcgtct ctgtctcttt tttcatcatt ttctacaggc atcgttctcc gttcagcgtc 120
cccaacttgc cgccggggaa ggcgggggtt cgggtgatcg gcgagagcct cgagtttctg 180
tcggcgggac cgaaggtggt tcaggagaag ttcttctccg atcgcatgac agagtactct 240
tccaaagtgt tcaagacct 259

<210> 44895

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041941H1

<400> 44895

gaaaaatcca ctttggttgt tcaacttgat atgtatctca gtctcaggtg gtggtgcatc 60
gctgagttgt gtgagagtga gaaagagaga gtgtgtgtgt gtgcagaaga tgtggccatt 120
cagcagaaaa ggggcttctg gtttttcatc atcatccacg gcagagcaag tcaactgaagg 180
aattgatgga actggtctca ctgccattgt cacaggagca tccagtggta ttggcactga 240
gactacacgt gtcctttcat tgcg 264

<210> 44896

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701041908H1

<400> 44896

gaaattgcct ctttcaagaa gcatctgagt gtttactatt ttgtactata tttatatata 60
gtcactcaag cttctaggat ttctgcctgc tgcacaaaa tgggaagcaa cttgaggttt 120
ttgagtcttt gcctcttggc attgattgca tcaactcatg ctcaacttca gcttggtttt 180
tatgctaaca gttgccccaa agcagagcaa attgtctga aatttgttca tgaccatata 240
cacaatgctc catcactagc ag 262

<210> 44897
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041909H1

<400> 44897

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 agatggatgc atcttgaccc atgtgaagga atctatgaca agccattatt atatgaaaa 120
 ggggtggggga aaaaattaaa ttatgtaata gccatagcaa aagatggagt ttatgatgtc 180
 accaaacgat acacaaggaa gtggcatgag gtcctatctc gacgtactat cattacagag 240
 cttcttttgt catctttact ctctaa 266

<210> 44898
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041910H1

<400> 44898

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 gatgacagct catgctgcc tacctccaga agtttactgg gaaaggatgc ttccaaatag 120
 cccaatgccc agagcaatca tagatcttct gaaccgtgat caacttctc tttggtatgg 180
 tgctaaggaa acccaatcta cagatcaa atctctgtat gatggtaaga aaaccaatc 240
 tacagatcaa gttcctccta t 261

<210> 44899
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041912H1

<400> 44899

cggctcgaga acctcaaata acccttggtta tctctctttc attctcactt gtactcatct 60
 ctttttcaca actttttttg taccttctga tctaattggca gttccagtga ttgatttttc 120

aaagctgaat ggtgaagaaa gaacccaaaac tatggcacag attgctaatt ggtgtgaaga 180
 gtgggggattt tttcagttga tcaaccatgg tattccagag gaactccttg agaggggtgaa 240
 gaaggttgcc tctgagttct ataagctgga 270

<210> 44900
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041913H1

<400> 44900

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 aagcgaacca gcaatacgca cagcaacagc aacaacaaca acaacaagca tacatgatga 120
 tgccgccgca gcctcagccc cctcagatgt gggccccatc ggcccagcct ccgccccaat 180
 cggtagctcc tccgcaaccc accagcgccg atgaggtacg taccactgg atcggcgatt 240
 tgcagtactg gatggacgaa aatt 264

<210> 44901
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041915H1

<400> 44901

tagaaaatgg ggtctctaatt ggctctctt actctcactc ttgtattggc aatagtttct 60
 ctaagctcgt gctctcaagc ctcagctgac aagtacgact attcatctcc accaccacca 120
 gtttacaagt acaagtcccc accaccaccc tacaagtatt catctcctcc accacctcct 180
 aagaagcctt actaatatccc atcaccacca ccaccagtct acaaatacta gtcaccacca 240
 ccaccatata agta 254

<210> 44902
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041917H1

<400> 44902

caacaagtta atagcattcc gcaaaatggc tgccaccacc ttagtctctg aagtcactct 60
 cccctcctcc tccggccagc ggaagatgcc gctgatgggc ctccggcaccg cgccggaagc 120
 aaccagcgcg gttaccacaa aagatgctgt tcttgaggcc atcaagcagg gctacaggca 180
 ctttgatgct gcttctgctt atggtgtgga acagtctgtg ggagaagcca tagctgaagc 240
 acttaagcaa ggactaattg catccagaga tcaactcatc atc 283

<210> 44903

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701041918H1

<400> 44903

gaaagattcg aaacgaagaa agaaagcgtt gtgaagaatg gcggaagagg gacaagtgat 60
 cgggtgtccac agcgtagagg agtggaagga acatctcaag aagggagaag agtccaagaa 120
 attgattgtg gtggatttta ctgcttcttg gtgcggtcca tgccgtttca ttgccccaat 180
 tcttgagag tttgctaaaa agttgccgaa ggtcaccttc ctcaaggtgg atgtggatga 240
 attggagact gtttccaagg agtggggaat tgagg 275

<210> 44904

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041919H1

<400> 44904

caaaaactaa acactaacia cgttttgggc tctgagcaac ttttacattt gagacacaga 60
 ttaaattaat ccactttaat taggtctgtt gttcatgatg gctctagcta ctccaggtag 120
 ccctagctcc atgcacatgc cactggtgca aacgtccaac cctagctcac aaaattctat 180
 gacgacaatt accgaaagga gaggaagtgt agtagttcta caaacgaaaa gaaaacatga 240
 tggaggaaaa ggacgtgatc caaaaactaa tagcat 276

<210> 44905

<211> 158
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041920H1

 <400> 44905

 ctgtattctg aggttccatc tctctctatt tccctctccc atgcaagttg acctttcatt 60
 ccactttttc gaatccctag actcaggcct ggtaaccttt tgagggttgtt ggggtgcagaa 120
 gggaacgatg gctgcttcag aggagaatag tgcactgt 158

<210> 44906
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041922H1

 <400> 44906

 tcggaacaaa caggggaatat aagagagaaa aagatggggtt tcataatgga attcgcgag 60
 aacttggtat tgattttgat ggaggatccg aagaaaggga tcggagggttc cgggagcacg 120
 tttatagagt gaaggacagg tgcgagaaga cgaaggagat gtggagctac cctatgcgac 180
 cctatggggtt ttggactttc gaacgccaca attctcagct tgcttgggat gcacagatta 240
 gccaaagtggc tgggaggagg gac 263

<210> 44907
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041924H1

 <400> 44907

 caaaataact gcatacatct tccatccaac tatatatccc cacactctat ggcgaggtgt 60
 gaatccgttt ccacgacaat gcccttctct gcaaaaatat taatagcact tatattcctt 120
 gcattcgcaa tcacggctac cacttcaact cgaatccttg atgaaataga aacaccagaa 180
 gaaccaaca gtgctgccga atcccctgtt gtctctccac ttccacttgt tgcagaatct 240
 ccagttgagg aagtcaaagg agttga 266

<210> 44908
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041925H1

<400> 44908

gttccttcca ttcctttctt ccggatcaca gggaaaataa aaaacaatgg agttggactt 60
 gacaccaaag acagcagaag tgttggttga gggagatggg ggagggttact acacttggtg 120
 gagttctaaa gtgccactgc tggccaagac caatgttggg gctggtcggt tagtgcttca 180
 gcctcagggc tttgctattc ctcatattc agatatatcc aaagtagggt atgtgcttca 240
 aggggaacgat ggcgtactgc ggatg 265

<210> 44909
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041927H1

<400> 44909

cttcgagcga atcgggtcgac tgatctacat gttcctgagc cctacagatg atttgggtta 60
 gaaccaactc tttgctgggc agaaaaatct gcagcttggtg cttttacttc tggctgttat 120
 ctctgtgccc tggatgctat tgccaaaacc ttttattttg aagaagcaac atgaagctag 180
 gcatgggggt gaatcctatg aaccacttca agtacagat gagagcttgc aagtggagtc 240
 aaaccatgat tcccatgggc atgagg 266

<210> 44910
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041928H1

<400> 44910

ctcctctgta ctgagacatg gccgaagaag aagaagaaga agaatcagag ctgagcgata 60
 agcagaaagt ggaaatcgcg aaatggctcc tctcaattc tctcccga gaaatccaat 120

acgttgccag agatgtgaca tccattctca acaacgatga tttgtacaag gaagccgctt 180
 ccgaggcttt tctcttttac aacaaatcgc acttgatctt ccttccaatg atcaaccgaa 240
 gcggagacgt actggctact tctattgggtg a 271

<210> 44911
 <211> 142
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041929H1
 <400> 44911

tatttatttt gagctttcca tttttctctc tttttcaact ttcaattcaa gcagctttgg 60
 aaaaaccaac cagccaacgg gtttttcttt tttccacctc cggaaatttg taagttgctt 120
 tgaattgaat tttcaaaca aa 142

<210> 44912
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041930H1
 <400> 44912

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 aacaccaagg cgtcgcaact cccaacaacc tggccgccgt tgccgccacc gctcctgttg 180
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 <223> Clone ID: 701041931H1
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 attgcttcaa tcggtttcaa gcttgattct gattctaagc atttcatcat tggcctcagc 180
 atctctgaaa gtgggtttct atagctcaac gtgtccatct gctgaggcaa tagtgagaag 240
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<210> 44914
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041932H1

<400> 44914

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 aggtcacttc cgccccttaa tgaagttggg ttgacttgct tccgcgattt gatttacaag 180
 gaactaaatg ggaaagtttag agatgcagtt atttcactaa ttgatcaaga acgggagggg 240
 gaacagattg atcgagctct attaaagaat gtattagaca 280

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041935H1

<400> 44915

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 ttcaacctac tatttgcttg ttgtgtagt actgtgtgat gccaacctag gtcctggagt 180
 aaccaaaaag cttgatctgt ttacaaagtt gaaa 214

<210> 44916
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041937H1

<400> 44916

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tccaaaaccc atttcgccgt ccagtagcaa ccaccatctt tttgattggg actgtagttg 180

ccctttgggt aggtattgga gcaacattac ctattgagaa atccctaact ttaggtcttt 240

tttaaactta taaaattgat tccattat 268

<210> 44917

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041938H1

<400> 44917

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caaatgttat gtctcctgac ctacagattg aacgattcat ggttgatctg aagacgcttg 120

aagttcaagc tagagatgga ccttctgata ctaatgcatt ggccaagtgg cggatactta 180

accgcttgca tgacagaaat gagactatgt actataaggt tttgattgcc aaaatagagg 240

aatatgcacc aatagtgtat act 263

<210> 44918

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 701041939H1

<400> 44918

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aacccttcca cccaacacat ca 142

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<213> Glycine max

<223> Clone ID: 701041940H1

<400> 44919

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acagtttccc aaccggccta tggttttccc ccagtttagca tctgctgac aatctagatt 180
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aacccttcca 250

<210> 44920

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701041907H1

<400> 44920

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gccttggctt tggagttgtt gcaattgtcc ttgtggtgac tgattcccaa gtcaaagagt 180
ttttctcctt tcagaagaaa gctaaattta cagacatgaa ggctttagtg ttcttggtag 240
ttgcgaacg 249

<210> 44921

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701041868H1

<400> 44921

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<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041869H1

<400> 44922

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 tcttaccaag cgggtttttg gaaaggacaa aggagaaagg tttggttggtg gcttcatggg 180
 cactcagggt cagtccttgg tcaaattcag ttgggggggt tctaagcatt gtggttgga 240
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<210> 44923

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701041870H1

<400> 44923

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 tgctctgtg gtccgtctcc ttgtctcaa gtttgtgcta agcatgtctg ccagtaagga 180
 tgttcttgc ctggcttcac ttgaggttga cctctccagc attgagcctg gcactacagt 240
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<210> 44924

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701041871H1

<400> 44924

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 atatgcttta tatggcatta cagatttagc cacataacaa aggggtgaaga tggaaactgg 180
 gcatggcttg gtatgcttgc ttcagagctg tggtttggtt tttactgggt ccttactcaa 240

gcccttagat ggaacttgtg ttcagac

267

<210> 44925
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701041873H1

<400> 44925

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ccactaccac tggtcacctg atttacaagc ttggaggcat tgacaagcgt gttattgaga 180
ggtttgagaa ggaagctgct gagatgaaca agaggtcttt caagtatgcc tgggtgctgg 240
acaaacttaa ggctgagcgt gacagagg 268

<210> 44926
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701041874H1

<400> 44926

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aggggtctcc tgaatatgat gcgttggtga agaaccctga gaaggagttt ttgaagacta 120
ttactggcaa gaaggagacc ctcatgacc ttacagttat agaaatcttg tcaaggcacg 180
catctgatga gttctacctt gggcagagag atggtggtga ctactggact tctgatgccg 240
gtccattaga ggcatttaag aggtttg 267

<210> 44927
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701041875H1

<400> 44927

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 tttgattagc attatgtgtt cttgtatgtt accagttacc tggtagaatg tgatgtgttt 180
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 ttgctacata t 251

<210> 44928
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041876H1
 <400> 44928

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 actacttaga gctcaaacc acatatggaa tcacatat tt agcttcataa actccatgtc 120
 ccttaaatgt gtggttgact taggcatacc agatatcata cacaactatg gccaaaccat 180
 gccactctca aacctcattg cttcactacc aatccacca tccaaaactt gcttcgtcca 240
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<210> 44929
 <211> 268
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 <223> Clone ID: 701041877H1
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 tatggacatg gcttcagtc cccgcaccgt agaagagatc ttcaaggatt acagcgccag 180
 aagaacctct gttattcgcg ctctcactca cgacgttgat gaattttacg gcctctgtga 240
 tccagataag gataacctgt gcctctat 268

<210> 44930
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041879H1

<400> 44930

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 ctctctacaa cttcaacatt cccaacctcc gcgtcggaac cctagactct ctctctcac 180
 tcagcgatga cctcgccaag tccaacaatt tcgtcgaagg agtcacgcac aagatcaggc 240
 gccagattga ggagctcgag agagttt 267

<210> 44931

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701041880H1

<400> 44931

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 tcaattccct tctcaagtta ttgttggttg gcaatgcaag atccaaggat tcctttgtca 180
 gaggagatct tgaataataa accaaggaag aagaaaaact caaccagaa ggcatcttta 240
 tgtcttttgc aagcgaatgg tgtca 265

<210> 44932

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701041882H1

<400> 44932

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 ctcatccaa ttttcatcac aaacacacac tgctacacca aaaaccgaag caaaacaagt 120
 gaatcaagac tctacttcgt gttccaatca gaggatatag atagagaatt atgagtcgat 180
 tgaacaaaaa tagaagtatt tgtagtgatg gtagtgccag taatgaatct tcttcaagt 240
 gaataactgg agaaagggat gatcatcttg 270

<210> 44933
 <211> 121
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041883H1

<400> 44933

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<210> 44934
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 <212> DNA
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<223> Clone ID: 701041885H1

<400> 44934

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 tttgggggttg ggaaaggaga ggaatgatac gatgttctta taattgcagc tttgtta 177

<210> 44935
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<223> Clone ID: 701041886H1

<400> 44935

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 ttacattat taaccttggg aagacgtggg agaagcttca gctagcagct agggttatag 180
 ttgcaattga gaacccccag gatatcattg ttcaatctgc acggccttat gggcaaagag 240
 cggttctgaa gtttgctcag tgcactggt 269

<210> 44936

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<211> 272
<212> DNA
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<223> Clone ID: 701041888H1

<400> 44936

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tgacaggctg cagaattact aaatcatccg catcttcagc cttacattca taaaattcac 180
ctaaaattaa atagcccat aagaagtact tttccattcc aatggccaga gtcaaattac 240
ataaggagaa ctcagtttgt agagcagagt ct 272

<210> 44937
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701041890H1

<400> 44937

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gttcgcaaga acggaacctg cccatggctg aggctgatg ggaagacca agtgactgtg 120
gagtattaca atgataatgg tgccagggtt ccagttcgtg tacacaccgt gctaattctc 180
accagcatg atgagactgt caccaacgac gaaattgcgg ctgacctcaa ggagcatgtg 240
atcaagcctg tgatcccga gaagta 266

<210> 44938
<211> 161
<212> DNA
<213> Glycine max

<223> Clone ID: 701041891H1

<400> 44938

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gtggttgaag tggggcacat ggctgaggct gcggtgactt g 161

<210> 44939
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<223> Clone ID: 701041893H1

<400> 44939

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
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<210> 44940
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<223> Clone ID: 701041894H1

<400> 44940

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 caactacgat aacatcattg attgggagtt taaaacaagt ggctcaatca aaccctcgat 240
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<210> 44941
 <211> 272
 <212> DNA
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<223> Clone ID: 701041895H1

<400> 44941

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gtatcaatgg gagtatattc tgatggttcc tacaatgttc cagctggact tatatattca 180
 ttccccgtca cttgtgccaa tggggaatgg gcaatagtcc aaggactttc cattgatgag 240
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<210> 44942
 <211> 181
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041896H1

<400> 44942

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 caaaatttta tggaggagca attcatactt agagttccac ctaatgtggc agagcggata 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041901H1

<400> 44943

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 gtacctctgt ctttcgttgc gcttctcgaa tgccctccaa ggttgccgtc tctaacaatcc 240
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<210> 44944
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041902H1

<400> 44944

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ccgtggagct cctccaaaga aacctttggg tccaagttgc 280

<210> 44945
<211> 133
<212> DNA
<213> Glycine max

<223> Clone ID: 701041867H1

<400> 44945

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cagtagcaat ggcggagaca tagtggttta ctggggccaa gacgagagcg agggcacatt 120
gagcgaaaca tgc 133

<210> 44946
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701041905H1

<400> 44946

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caatctcttt catgtgaggg tagaaccaga aaaaaacaca aaccacacac tctcctaact 120
cgaggttatt tttttctttc cccaaagagg catgagttgc aacgggtgcc gcgtccttcg 180
aaagggctgc agcgagtctt gtattctgcg gccgtgtcta cagtggatcg atacgcccgga 240
agcacaaggc catgccactg tcttcggt 268

<210> 44947
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701041830H1

<400> 44947

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 aactacacac aaacctagca accattgagt tttgtatgct ttgaaacatc gtgtgcacag 120
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 tacctctctc tcacctaata tcagaccata cccagggttt ttggtttttc tttttaaatt 240
 agtttcagtg acattaacga ggctgagaag atgcagcaga cacc 284

<210> 44948

<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: 701041831H1

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 ctcagaaaaa aagtttctaa gttaaggcaa tccag 95

<210> 44949

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 701041833H1

<400> 44949

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 tcatccagca gcagcagcgg cattatcttc catc 94

<210> 44950

<211> 119

<212> DNA

<213> Glycine max

<223> Clone ID: 701041835H1

<400> 44950

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 acgttcaggt ttcaccagta ccagggtggtt gggagggctc ttcccacgga agcagatca 119

<210> 44951
 <211> 116
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041836H1

<400> 44951

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<210> 44952
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041837H1

<400> 44952

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 caagccaacg tcacccttat tgatccga 148

<210> 44953
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041838H1

<400> 44953

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 gcaccaccat accaacaaca tcatcgcggc gccatcacca ccgtaccaac aacatcatcg 120
 cgcgatccaa gcaacactca caccaacaga tctatgcgcc acaacaccac cgcgcaacgg 180
 agaagtcgcg cgcgcgagcagg aagcctcaaa gattgattcg cgcacacaga tggaggtgca 240
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<210> 44954
 <211> 277
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041840H1

<400> 44954

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gaaaaacatg gctctgaacc aatcaaaagc cgtgttggtg aggggtgagtt tgggtggtggt 180
ggcgctcttc atagcagggg acatagtggg tcccctctct actggcattt cgttgaaggt 240
ttggctgcgg tcaaccactc ttcttctagt tgtgccc 277

<210> 44955

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041842H1

<400> 44955

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ccacgtcccc gatcgggcgc tcatccctc cgctcgcgcc ttcgccgata tgatcgacca 180
gtacgtcggt agggtttccg gcgctgcaga gggtatcggc ggacaggtct tgggtgtcac 240
caaactggtg caggaagctt tcaatgttca g 271

<210> 44956

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041843H1

<400> 44956

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ctgggaagga ctaccaggac cctccaccag caccactcat tgatgctgag gagctcacia 180
agtggtcctt ttacagggtc ctcatgtctg aattcattgc cactttgctc ttcctctaca 240

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276

<210> 44957
<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: 701041844H1

<400> 44957

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cttggtgttc ctatctctgg ttttgaggga gacaacatga ttgagcaggt cacaaacctt 120

gactggtaca aggtcca 138

<210> 44958
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701041845H1

<400> 44958

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tcgttaagac actcactggt aagacaatca cccttgaggt ggagagttca gataccatag 120

ataatgtaaa gtccaagatt caagacaagg aagggatccc accagaccag caacgtctca 180

tttttgctgg caagcagctt gaggatggac gtacacttgc tgattacaac atccaaaagg 240

agtccactct tcacttggtg ctccggctcc gtggtgg 277

<210> 44959
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701041846H1

<400> 44959

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ctctcccggc ggcgctgagt ggtgatcaag gaaatgggtc agacgtgag ttgcgtgcaa 120

cagcacgagg accatggtgt gctcttcctt gcacttgcaa gtggagaata ggaggttgtt 180

gaggccatgg tggaggaaga ccccaactgtg ttggaacaca ccattggctg tgacaggctt 240
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<210> 44960
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041847H1

<400> 44960

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 ttcgacgata ttgagtggcg acatccaagc acgccacgta tgtgcctcac accgccggca 180
 ggtactcggg gaagcgggtc aggaaggcgc aatgcacat tgttgagagg ctgaccaact 240
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<210> 44961
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041848H1

<400> 44961

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 ggctttcatg tggctcaag agctgccctt aacatgggca ttagcaaact tgttttccca 180
 gtctaccgca acattattgc ttttctctc ctccttctt ttgctactt cttggacaag 240
 aaggagagcc tgccattact ttaaactcct cttacagtt 279

<210> 44962
 <211> 128
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041849H1

<400> 44962

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 tggaagtg 128

<210> 44963
 <211> 131
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041851H1
 <400> 44963

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 gttgagaaag agagagatgg gaagagaaaa ggagacaaca aaggtagctt acacagtgga 120
 gcagcttgta g 131

<210> 44964
 <211> 91
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041852H1
 <400> 44964

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<210> 44965
 <211> 113
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041853H1
 <400> 44965

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<210> 44966
 <211> 157
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041854H1

<400> 44966

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 tccaatatgg gataggggtg agcttaaagg caacaag 157

<210> 44967

<211> 277

<212> DNA

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<223> Clone ID: 701041856H1

<400> 44967

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 gaagaagaag aagaagagcg gaacgttggga ataggaggag gagacgagga ggagcagatt 180
 ccggtggcgc tgccggtccg ggacttcgac atcgtcatcg acgcactgcc gtcggggacg 240
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<210> 44968

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701041857H1

<400> 44968

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 aattgctggt tcttgtaatt attattattg caattccatt ttgtgacttc cctgttgctt 180
 gtttaattagt gtgaccaga tgggtgttttg agtatttgtt tggagattca ttcagtattt 240
 tgagagattt gtatgataaa tatggatact ttgct 275

<210> 44969

<211> 154
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041858H1

 <400> 44969

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<210> 44970
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 <212> DNA
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 <223> Clone ID: 701041828H1

 <400> 44970

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 aaccacctct ccacaaattt gaggcagctt agccttccaa gcagcaccct ttttgacctt 180
 ttcatgggtg ttttggttga tgatggagat gatgacatcg taggtgctgt gaaggatgat 240
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<210> 44971
 <211> 159
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041860H1

 <400> 44971

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 gagattatcg taccatttag attcttcttc cctcttcct 159

<210> 44972
 <211> 275
 <212> DNA

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273

<210> 44975
<211> 160
<212> DNA
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<223> Clone ID: 701041864H1

<400> 44975

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aaacatgact atggaagagg gcagggtaga gaacgaggac 160

<210> 44976
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701041866H1

<400> 44976

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tattccgaga catgtgctgt tggctgtaag gaacgatgag gagttgggga aattgcttgc 180
tggtgtcacc attgctcatg gtgggtgttct tccaaacatt aaccctgttt tgctacctaa 240
gaagactcag gttgctaagg aacaaaaatc tccat 275

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<212> DNA
<213> Glycine max

<223> Clone ID: 701041794H1

<400> 44977

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aatcgttcga agaaacgaga acggaagtca acttagtggt aagaactggt gttaccgtgg 180

gcaactacga taacatcatt gattgggagt ttaaaacaag tggctcaatc aaaccctcga 240
 ttgctctctc gggt 254

<210> 44978
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041796H1

<400> 44978

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 caaaatttta tggaggagca attcatactt agagtccac ctaatgtggc agagcggata 180
 gagcgtcttc tgaatgaaa caatgcttct tcactgaag acaagtcact agatttgtca 240
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<210> 44979
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041801H1

<400> 44979

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 gaagggttat gcgtatcatt tgctggta 148

<210> 44980
 <211> 194
 <212> DNA
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<223> Clone ID: 701041803H1

<400> 44980

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ttgttagcag ttcttccac cgtcccggca ttcatttggg catcacatta tgaactggcc 180
tctgaaaata tatt 194

<210> 44981
<211> 141
<212> DNA
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<223> Clone ID: 701041804H1

<400> 44981

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atttctgct tgccgtcttc aactcaaacc gactacaacg cgcgtcgata ctgttctttt 120
ccgcaacgcc cacgcccacg c 141

<210> 44982
<211> 143
<212> DNA
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<223> Clone ID: 701041805H1

<400> 44982

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tatttgttgt cttgtttagc aaa 143

<210> 44983
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701041806H1

<400> 44983

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283

<210> 44984
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<212> DNA
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<223> Clone ID: 701041807H1

<400> 44984

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atcacttttt ttctctgctt tgggaaatga tgccattgtt gtcccttgcg aagcaaacc 180
catcaccacc atcatcatgt aggagcga 208

<210> 44985
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 701041808H1

<400> 44985

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taataattga caaaaaagaa gaagacaaaa aggggtgggga ggcatagcca gatattgaac 180
ctgccctctg ttcttaatat cattctgcct cccctcagat ctcgctttca 230

<210> 44986
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701041809H1

<400> 44986

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gttacaaaac taaaggcggc gccggtgtcg cgcacggaag tttagagtcc ggcatgacgg 120
cgggtgaagct gctggatttg atgccggtga tgcgaactcc gatgaggacg cggcggagat 180

ggcgccggag gagatgaatc cgaagctgtt tgggtgtggcg attggagcga agatgcgaga 240
 cacggaggaa gtggtggaga ttgtggaggt ggaggaga 278

<210> 44987
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041810H1
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 accacatgaa cggactgcta ttatcagcaa gtctgccggg cagattgtta agatgagcca 180
 gcaaaagttt gtttcaaagc ttatcgagaa gtgtttggct tttggtagtc ctgaagaacg 240
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<210> 44988
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041812H1
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 gaaatcggga ggcaaaacca agccttggac gggtttgaca atgatatgga gaagttgacc 180
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<210> 44989
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041813H1
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